

671.84

APR 21 1923



# WIRE WORK

*for all*  
**INDUSTRIES**



**RICHARD JOHNSON,  
CLAPHAM & MORRIS,**  

---

**LIMITED,**

**LEVER STREET,  
MANCHESTER.**







**WIRE  
WORK**  
FOR ALL  
INDUSTRIES





# **Rd. Johnson, Clapham & Morris, Ltd.**

Head Office and Warehouse:

**24 & 26 Lever Street, MANCHESTER.**

Telephone: 1120 Central (9 Lines).

Telegrams: "Metallicus, Manchester."

## **LONDON:**

Agent: Mr. H. M. KELK,

**57 MOORGATE STREET, E.C. 2.**

Telegrams: "Crossways, London."

## **GLASGOW OFFICE:**

**144 ST. VINCENT STREET.**

Telegrams: "Reinforced, Glasgow."

Telephone: Central 4230.

## **LIVERPOOL WAREHOUSE:**

**23 & 27 CHEAPSIDE.**

Telegrams: "Johnson's, Liverpool."

Telephone: Central 5315 (3 lines).

And at **SYDNEY & MELBOURNE.**

WORKS:

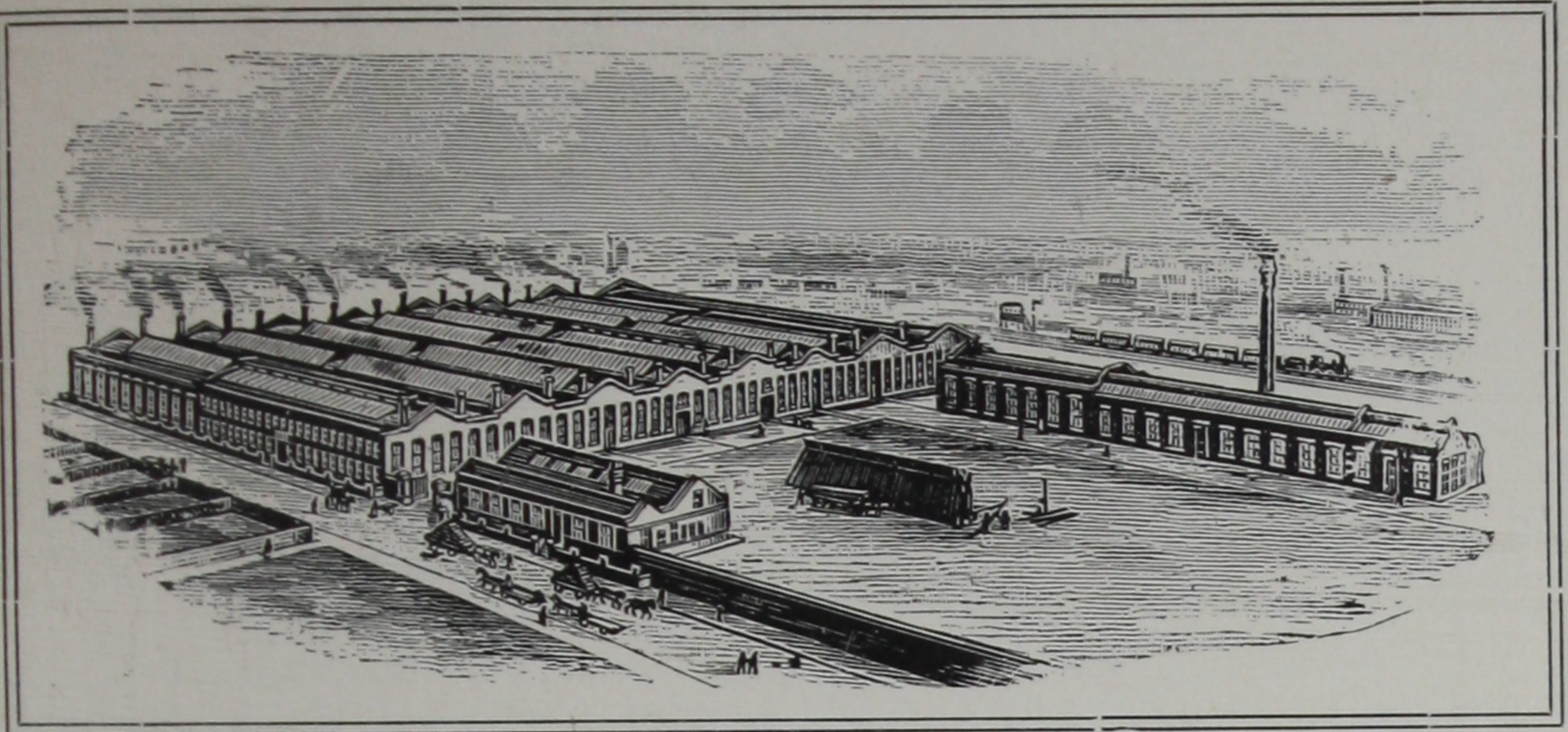
**NEWTON HEATH,  
MANCHESTER.**

Telephones: 6741 Central and 78 Failsworth.

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*Please Address all Communications to Engineering Department.*





# WIRE WORK

## FOR ALL INDUSTRIES



This Section of our General Catalogue  
contains a few examples of Wire  
Work which we are constantly  
making for Engineers,  
Manufacturers,  
&c., &c.



Works:  
**NEWTON HEATH, MANCHESTER**

Works Telephone Nos. { 6741 Central,  
78 Failsworth,

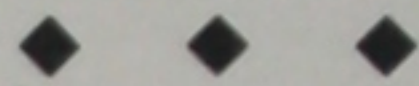


# WIRE WORK

OF EVERY DESCRIPTION

INCLUDING

Machinery Guards  
Window Guards  
Fire Guards  
Radiator Guards  
Hoist Guards, &c., &c.



Workshop Partitions  
Wire Work Lockers  
Drying Racks  
Baskets and Trays  
Parcel and Letter Racks  
Spark Arrestors  
Conveyor Belts  
Woven Wire  
Screens, Riddles, Sieves, &c.



## REINFORCED CONCRETE

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JOHNSON'S LATTICE & "KEEDON" SYSTEM  
for Reinforced Concrete Construction

"BRICKTOR" REINFORCEMENT for Brickwork

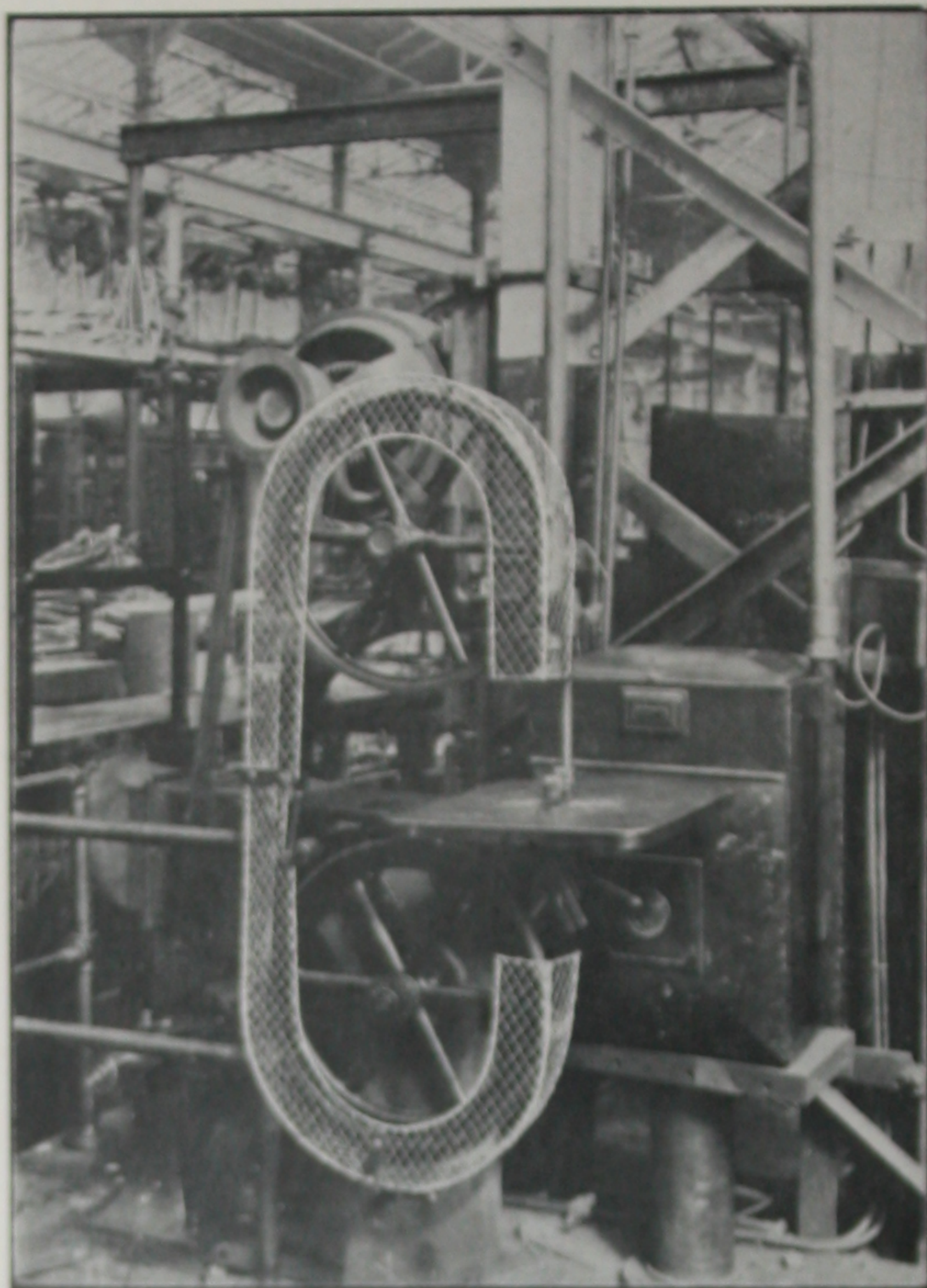


# INDEX

BASKETS—		Page			Page
Carrying ...	...	52, 53	Panels for Ships' Deck Rails ...	...	42
Coke Carrying ...	...	53	Partitions for Workshops, Stores, etc. 40,	41	
Cop ...	...	53	Patterns for Flat Iron Work ...	...	57
Milk Bottle ...	...	52	Patterns of Wire Work ...	...	57
Sponge ...	...	53	Picking Belts, Coal ...	...	69
Stable Refuse ...	...	53			
Waste Paper ...	...	55, 56			
Belts, Blind Conveyor ...	...	69	RACKS for Drying Enamelled Plates	39	
„ Coal Picking ...	...	69	Hat and Coat ...	...	46
Blower Web ...	...	62	Parcel ...	...	51
Bottle Holders ...	...	52	Sorting ...	...	51
“Bricktor” Brickwork Reinforcement	59		Wall ...	...	51
Coal Picking Belts ...	...	69	Reinforcement for Brickwork...	...	59
Coat and Hat Racks ...	...	46	Reinforcement for Concrete Floors ...	...	58
Conveyor Belts, Blind Pattern ...	...	69	Riddles ...	...	64
Dead Flat Wire Netting ...	...	70			
Doors for High Tension Electrical			SCREENS—		
Power Station ...	...	43	Colliery ...	...	66, 68
Drying Racks ..	...	39	Gravel ...	...	65
Electric Car Grilles ..	...	42	Heavy Steel Wire ...	...	66
Enamelled Plate Drying Racks ...	...	39	Lime... ..	...	65
Fancy Patterns of Iron and Wire Work	57		Looped for Collieries ...	...	68
Foundry Sieves...	...	64	Revolving, Graded ...	...	67
			Sand' ...	...	65
GUARDS—			Steel Wire ...	...	66
Balcony ...	...	35	Sieves ...	...	64
Church Window ...	...	33	Spark Arrestors, Locomotive...	...	38
Counter ...	...	44	Stand for Letter Trays...	...	56
Desk ...	...	44	Switch Board Enclosures ...	...	41
Electric Light and Fan ...	...	50			
Fire ...	...	49	TRAYS—		
Gangway ...	...	35	Carrying ..	...	54
Hoist ...	...	45	Drying ..	...	46
Lantern Light Well ...	...	37	Letter ...	...	56
Lamp ...	...	50	Stands for Letters...	...	56
Machinery and Strap ...	...	6-27			
Motor ...	...	29	Water Bottle Holders ...	...	52
Motor Luggage ...	...	42	Wire Doors for Electric Plant ...	...	43
Nip for Rollers, etc. ...	...	38	Wire Lattice Reinforcement for Con-	...	
Radiator ...	...	36	crete Floors ...	...	58
Skylight ...	...	28	Wire Mesh Reinforcement for Brick-	...	
Staircase ...	...	35, 45	work ...	...	59
Steam and Hot Water Pipe ...	...	36	Wire Netting ...	...	70
Switch Board Enclosures ...	...	41	Wire Panels for Deck Rails ...	...	42
Taxi-cab Luggage ..	...	42	Wire Partitions for Workshops	40, 41	
Window ...	...	30-34	Wire Work Patterns ...	...	57
Grille for Electric Cars ...	...	42	Workshop Divisions ...	...	40, 41
Ironwork, Fancy Patterns ..	...	57	WOVEN WIRE ...	...	60, 63
Johnson's Lattice & “Keedon” System	58		Aluminium ...	...	61
Letter Boxes ...	...	56	Blower Web ...	...	62
„ Racks ...	...	51	Brass... ..	...	61
„ Trays ...	...	56	Copper ...	...	61
„ Tray Stand ...	...	56	Grain Screening ...	...	63
Lantern Light Well Protection ...	...	37	Kiln and Smut ...	...	62
Lockers ...	...	47, 48	Oblong Mesh ...	...	63
Locomotive Spark Arrestor ...	...	38	Phosphor Bronze ...	...	61
Malt Kiln Floors ...	...	62	Rolled Steel ...	...	63
Milk Bottle Holders ...	...	52	Steel ...	...	60
			Steel, Galvanized ...	...	61
			Steel, Rolled ...	...	63
			Tinned ...	...	61
			Twilled ...	...	63



## Machinery Guards



MADE FROM  
STEEL WIRE.

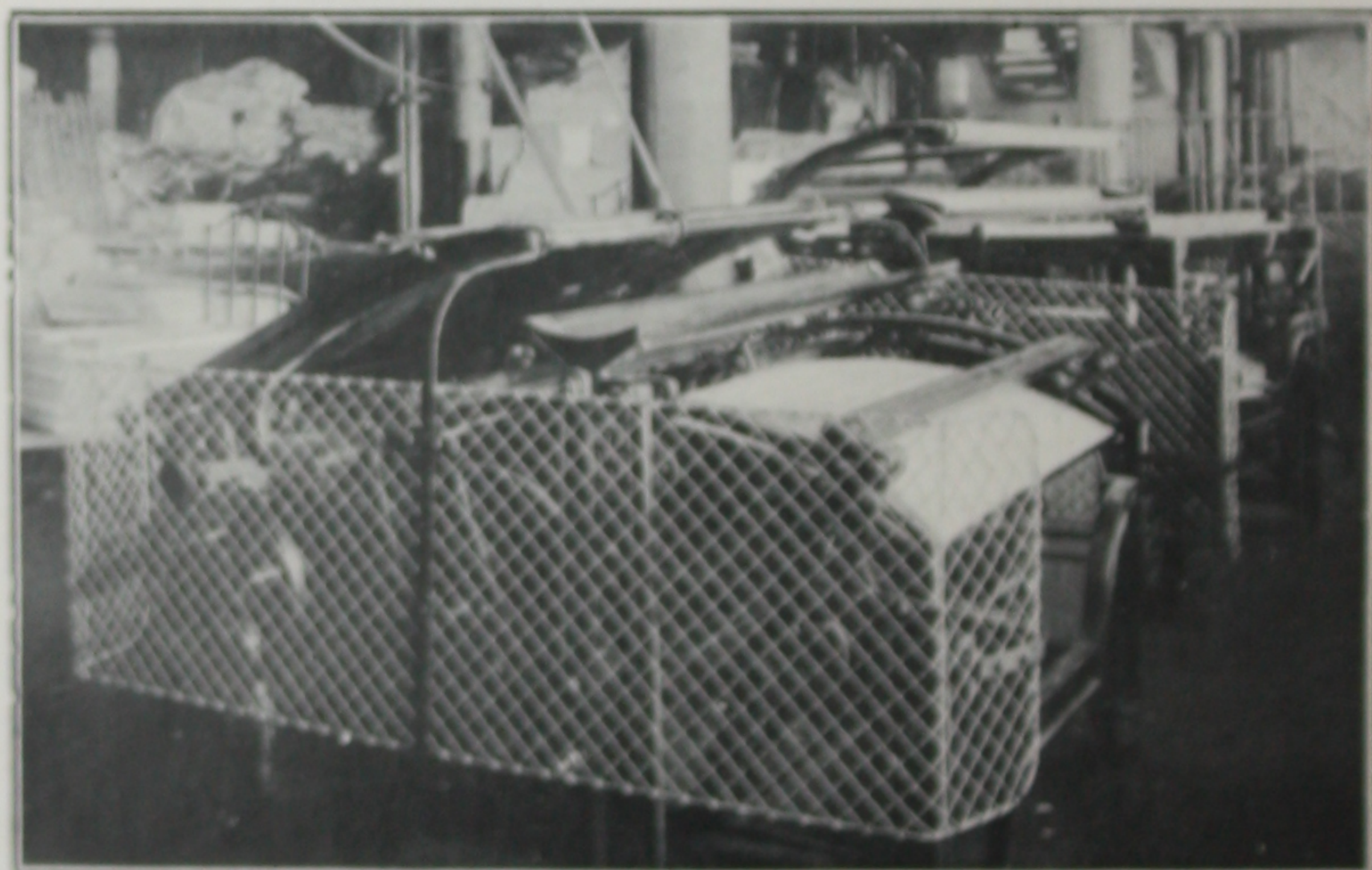
Galvanized or  
Enamelled  
after made.



We are prepared to submit special designs with quotations upon receipt of rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fit.



The guards shown in this illustration were supplied to the Leyland & Birmingham Rubber Co., Ltd., Leyland, near Preston.

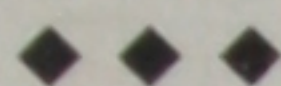




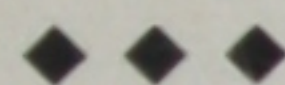
## Machinery Guards

MADE FROM  
STEEL WIRE.

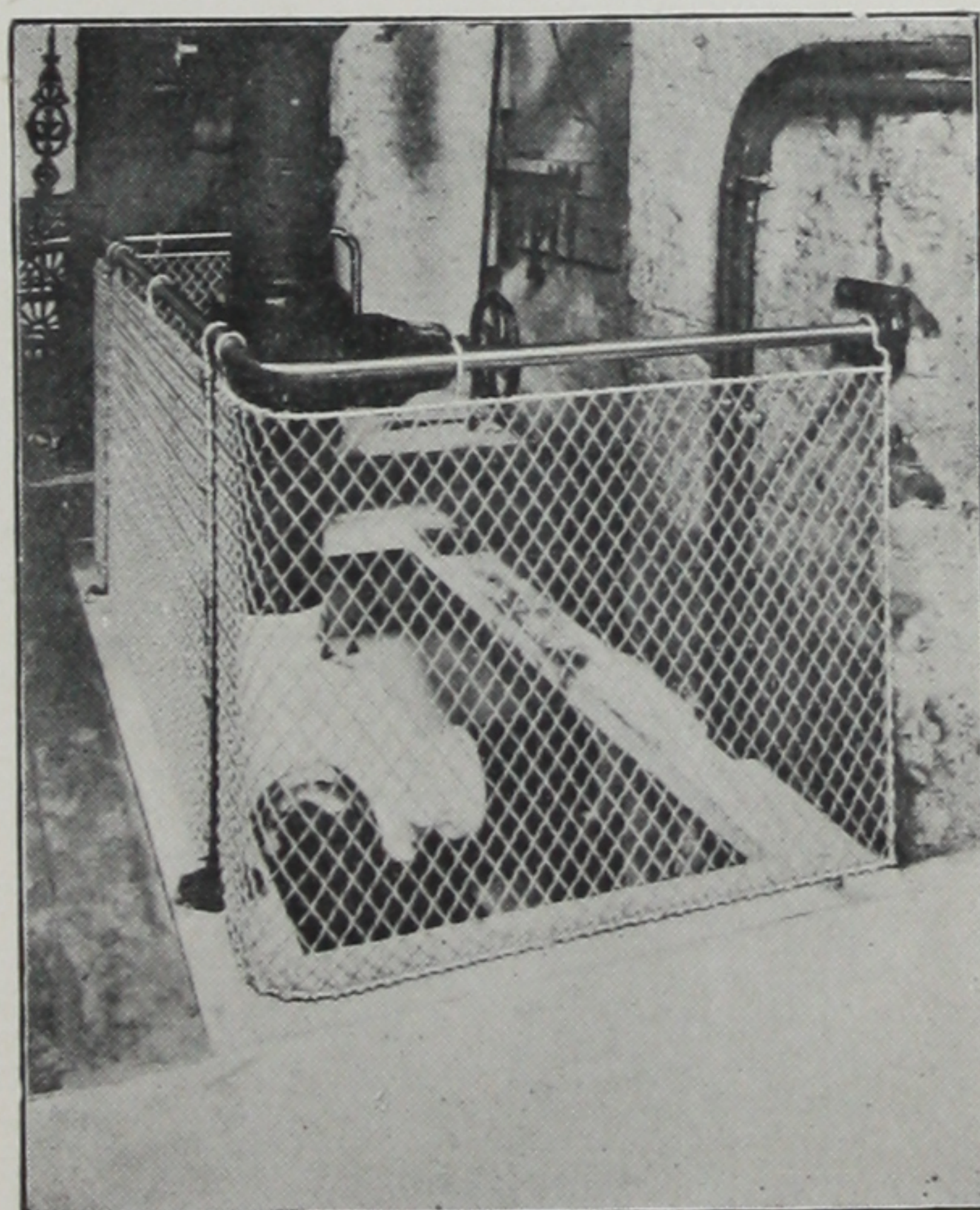
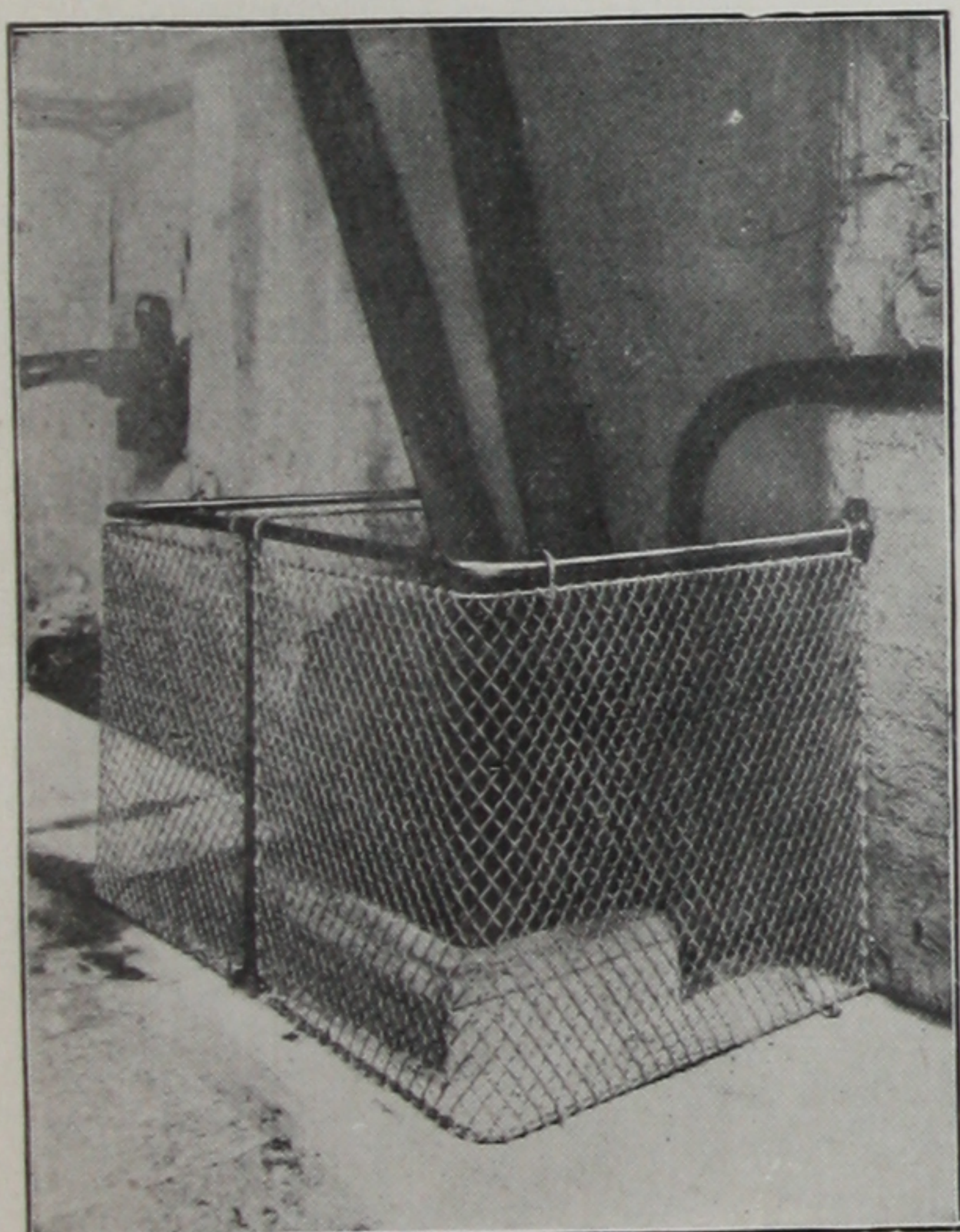
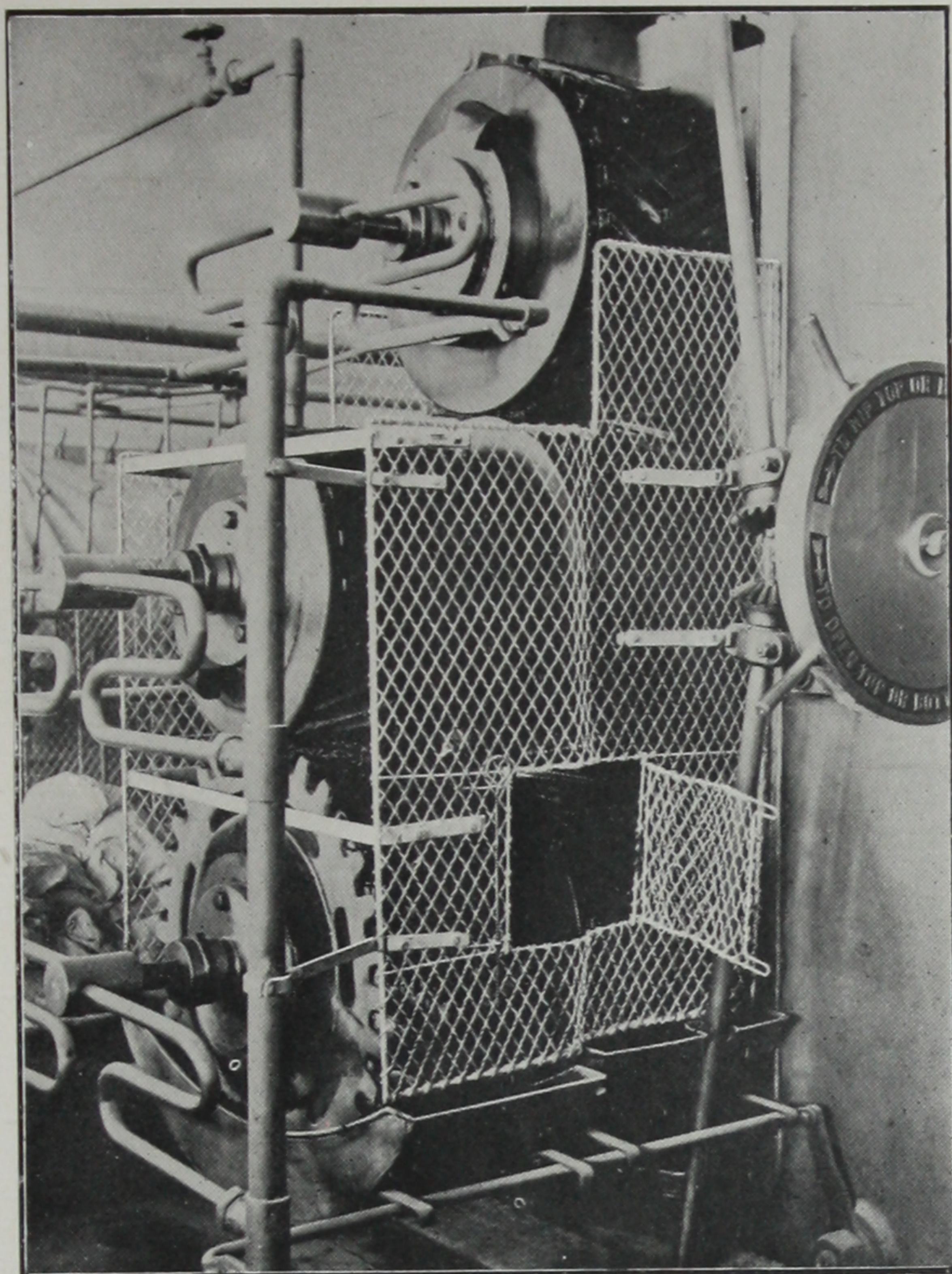
Galvanized or  
Enamelled  
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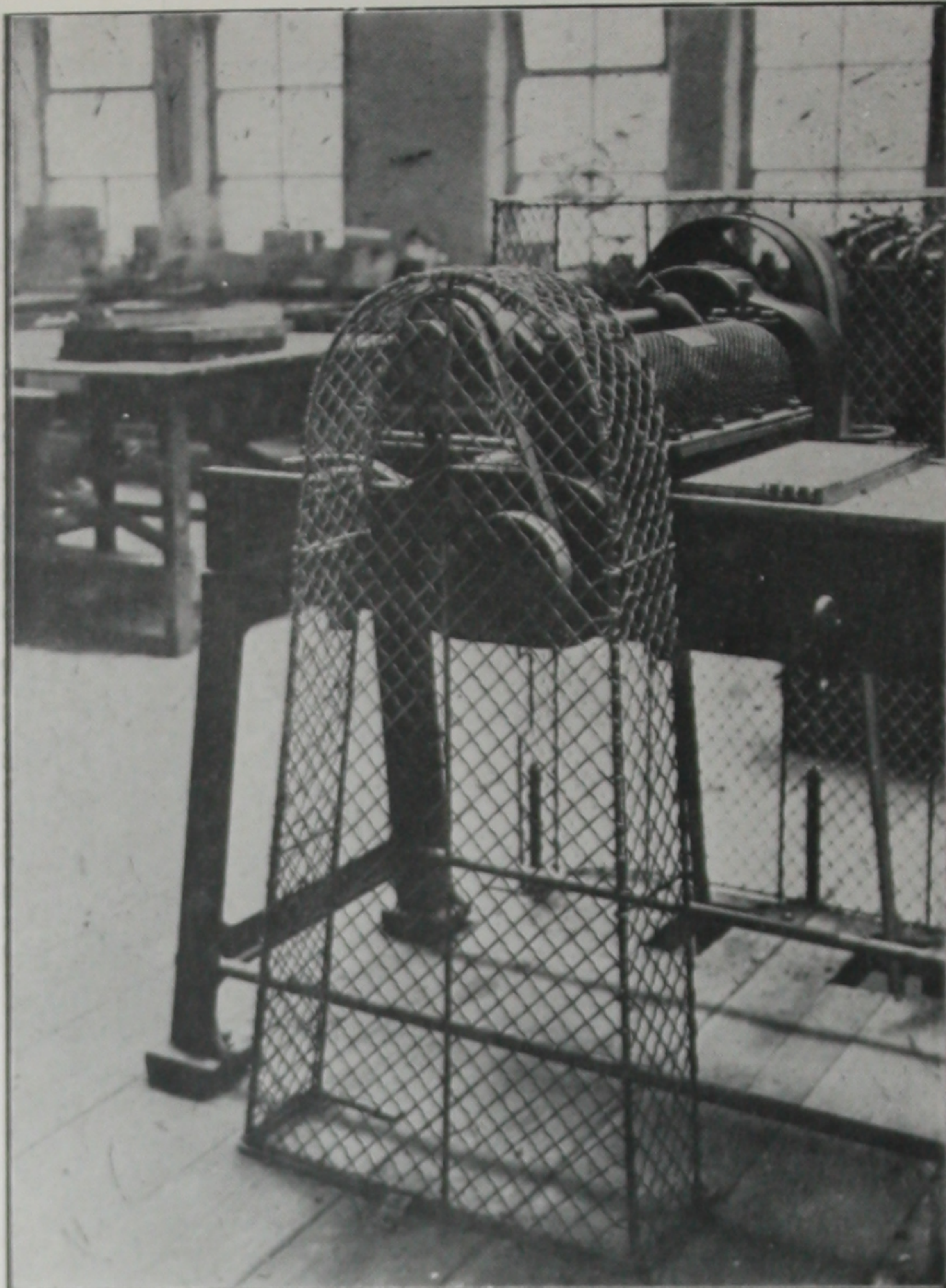


The guards shown in this illustration were supplied to the Leyland & Birmingham Rubber Co., Ltd., Leyland, near Preston.





## Machinery Guards

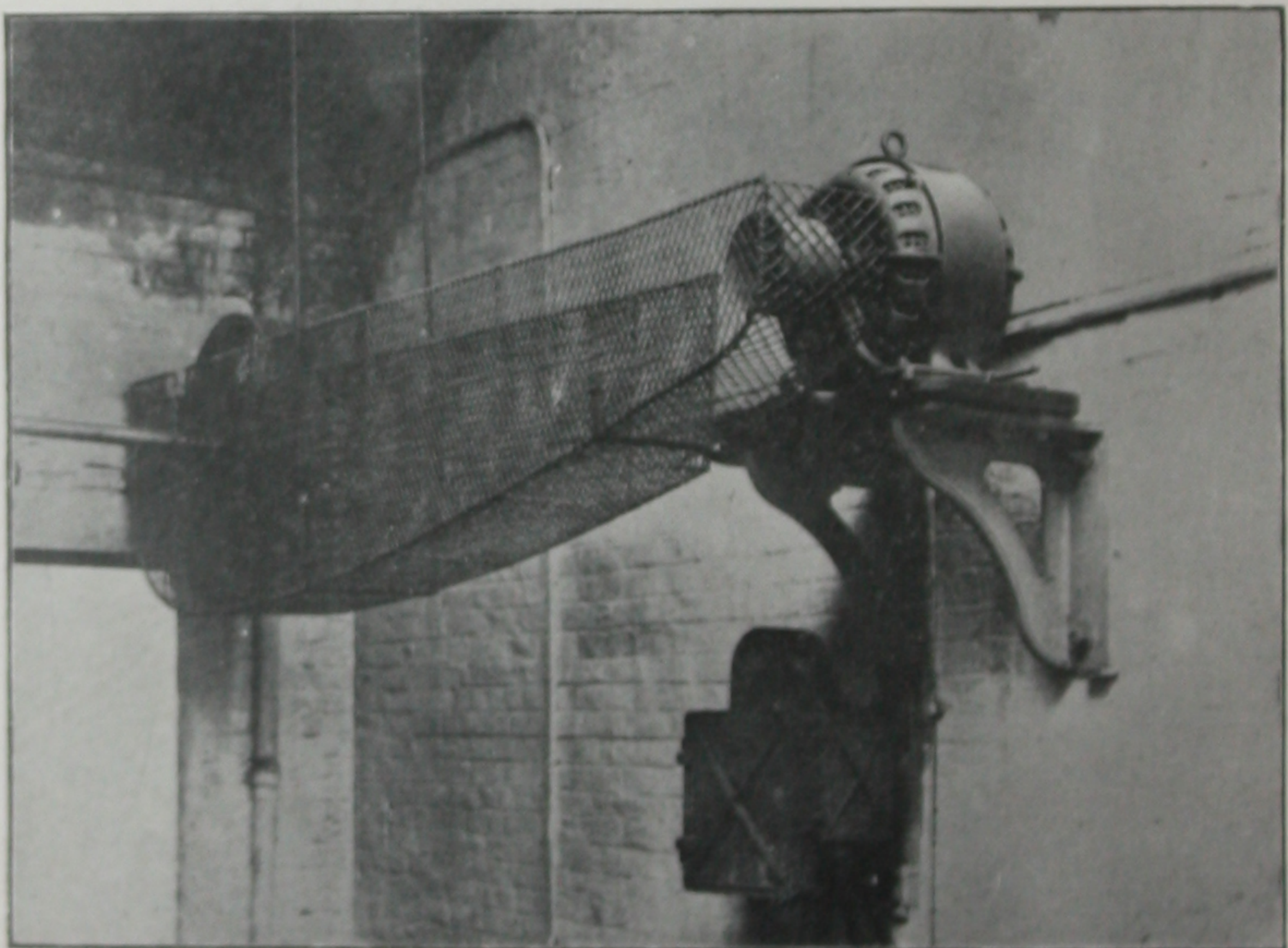


MADE FROM  
STEEL WIRE.

Galvanized or  
Enamelled  
after made.



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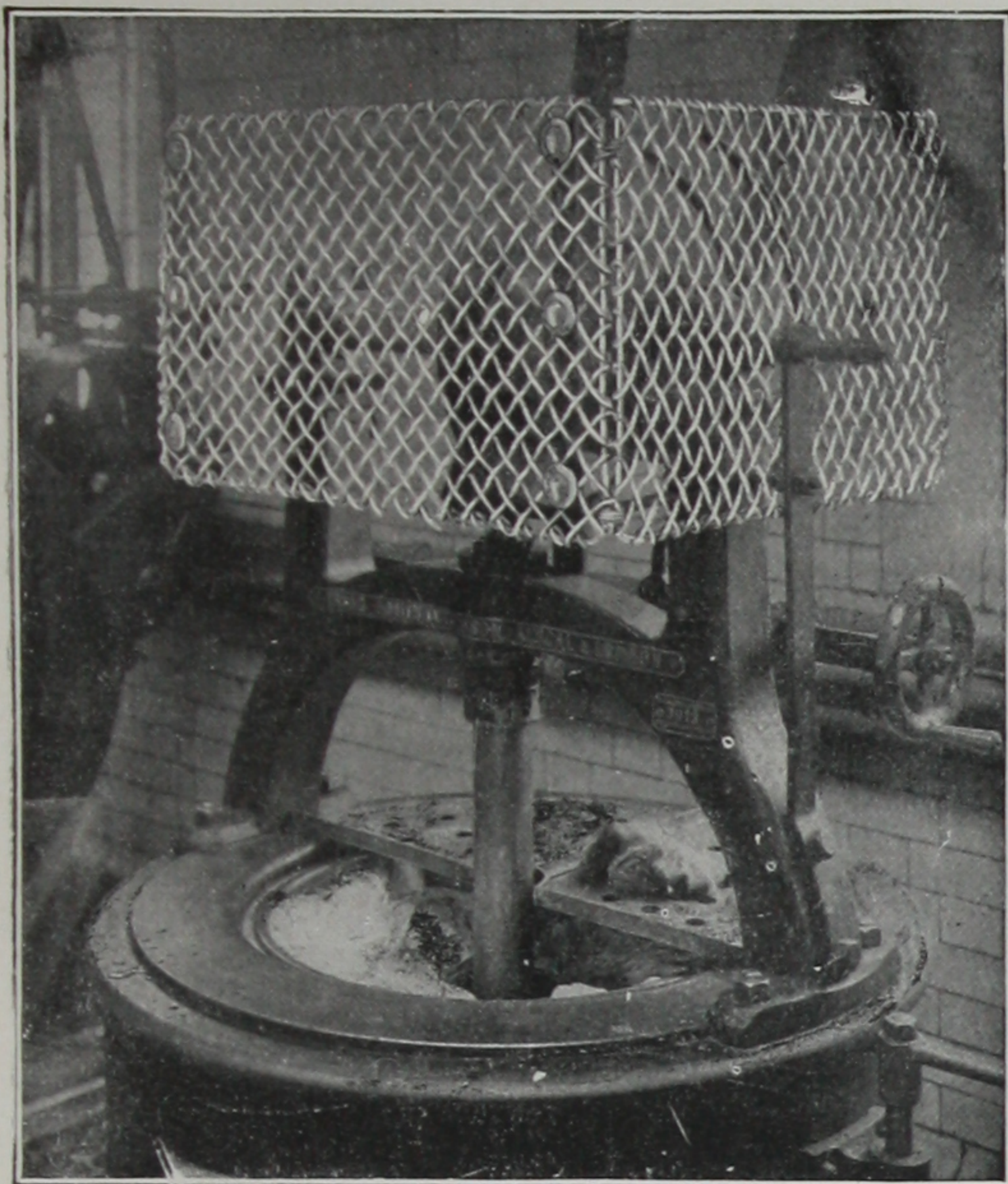




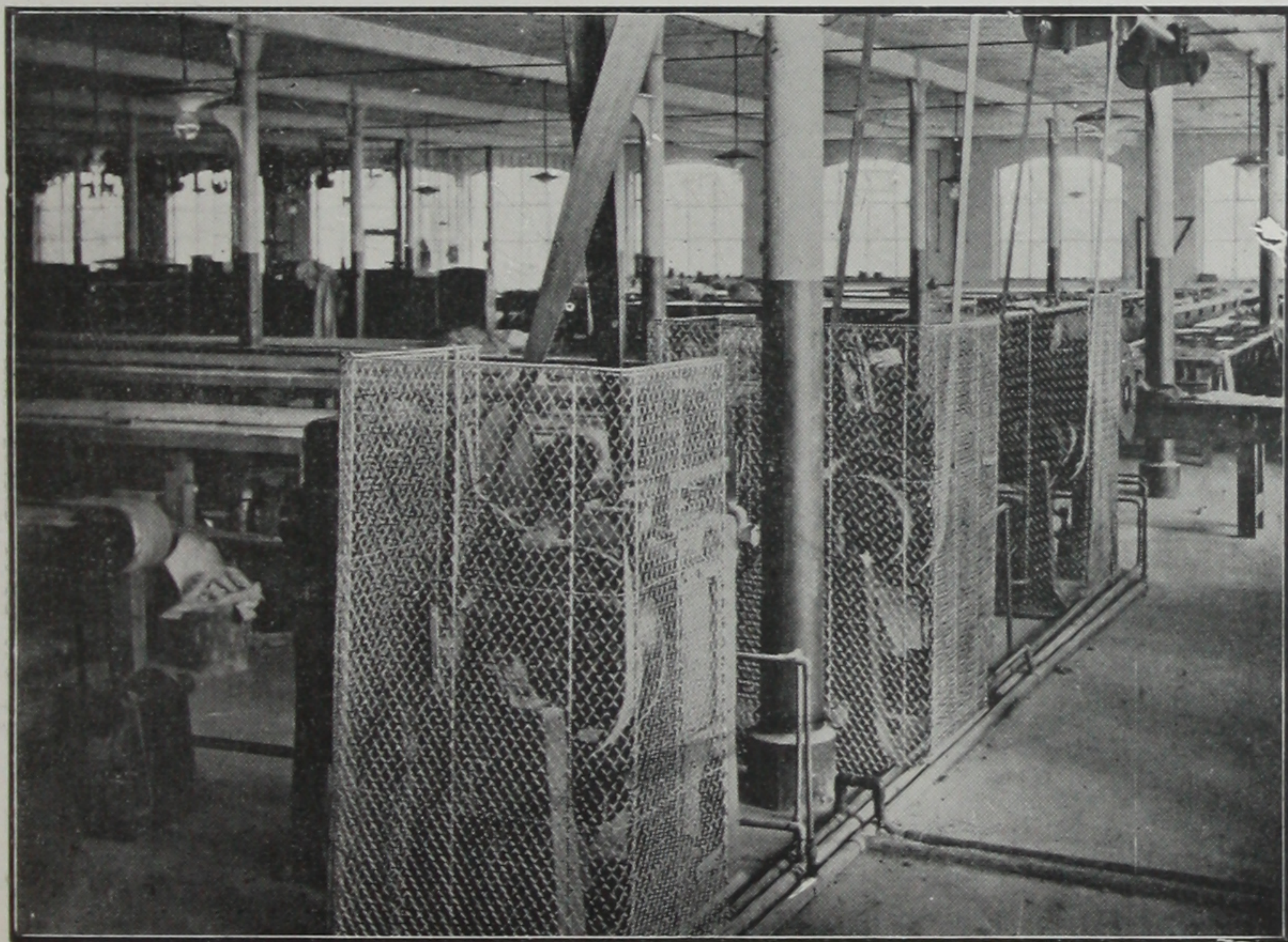
**Richard Johnson, Clapham & Morris, Ltd., Manchester**

## Machinery Guards

Made from Steel Wire.  
Galvanized or Enamelled  
after made.



We are prepared to submit special designs with quotations upon receipt of rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.



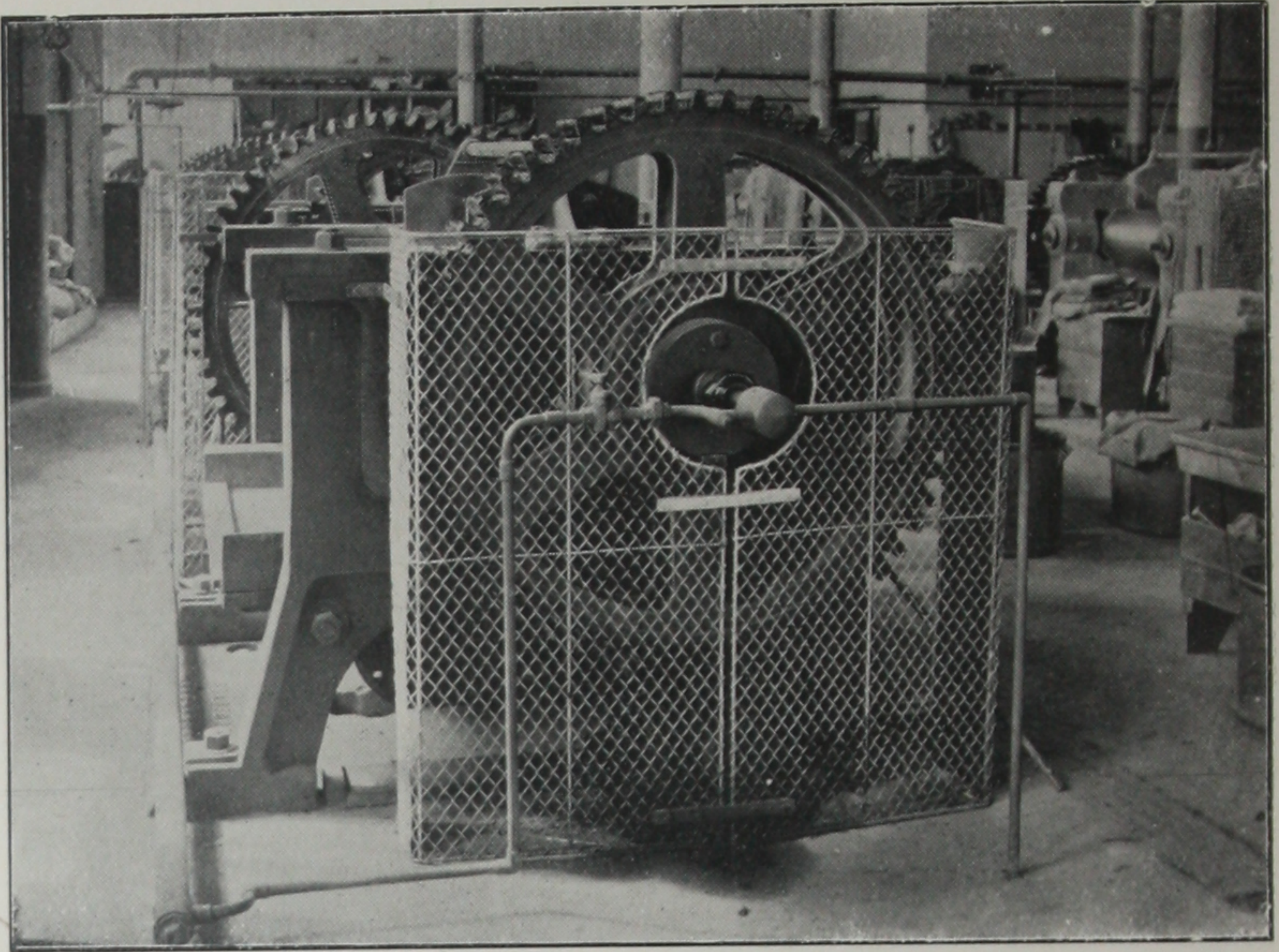
The guards shown in this illustration were supplied to the Leyland & Birmingham Rubber Co., Leyland, near Preston.



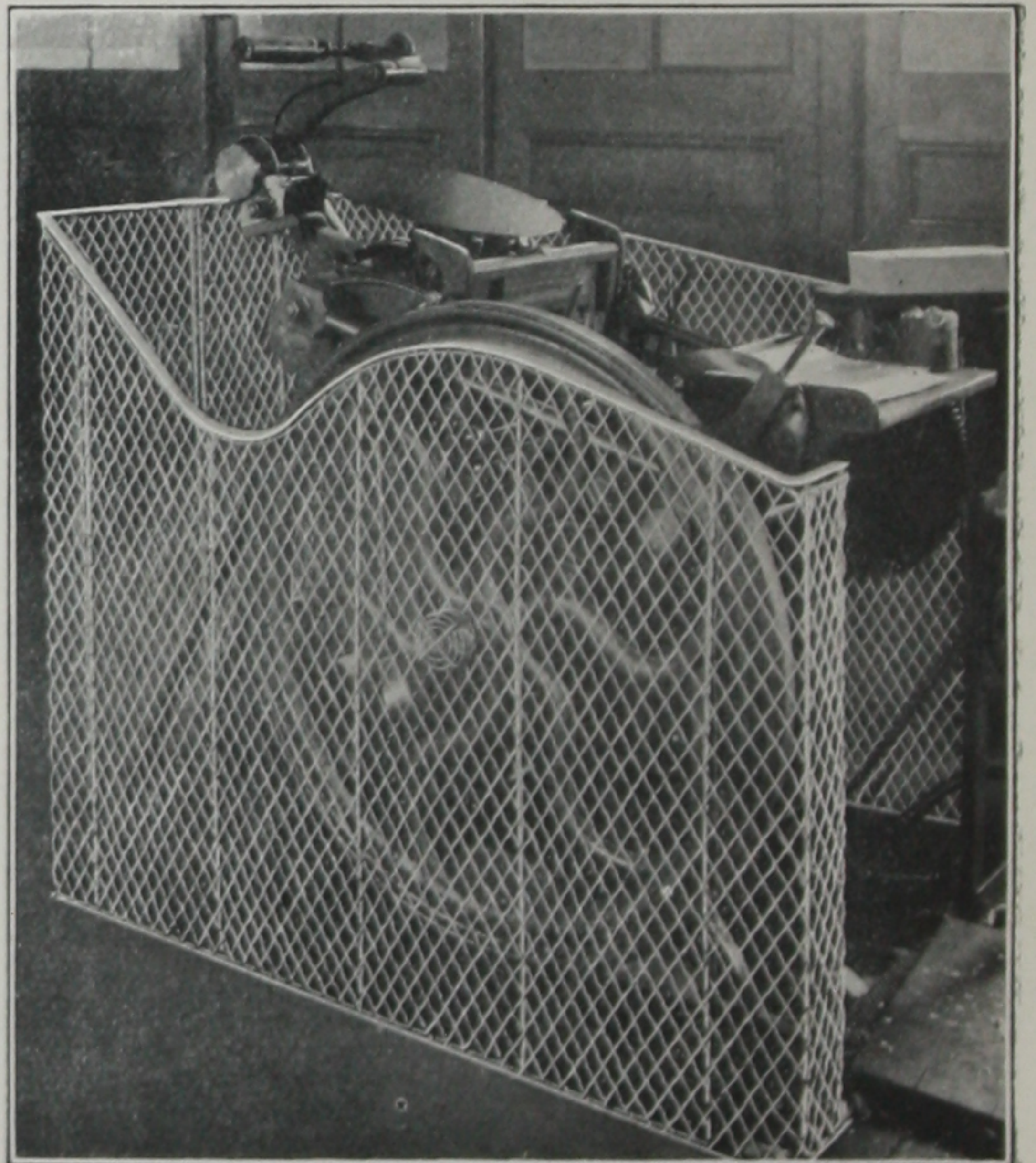
**Richard Johnson, Clapham & Morris, Ltd., Manchester**

## Machinery Guards

Made from Steel Wire.  
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The guards shown in the above illustration were supplied to the  
Leyland & Birmingham Rubber Co., Ltd., Leyland, near Preston

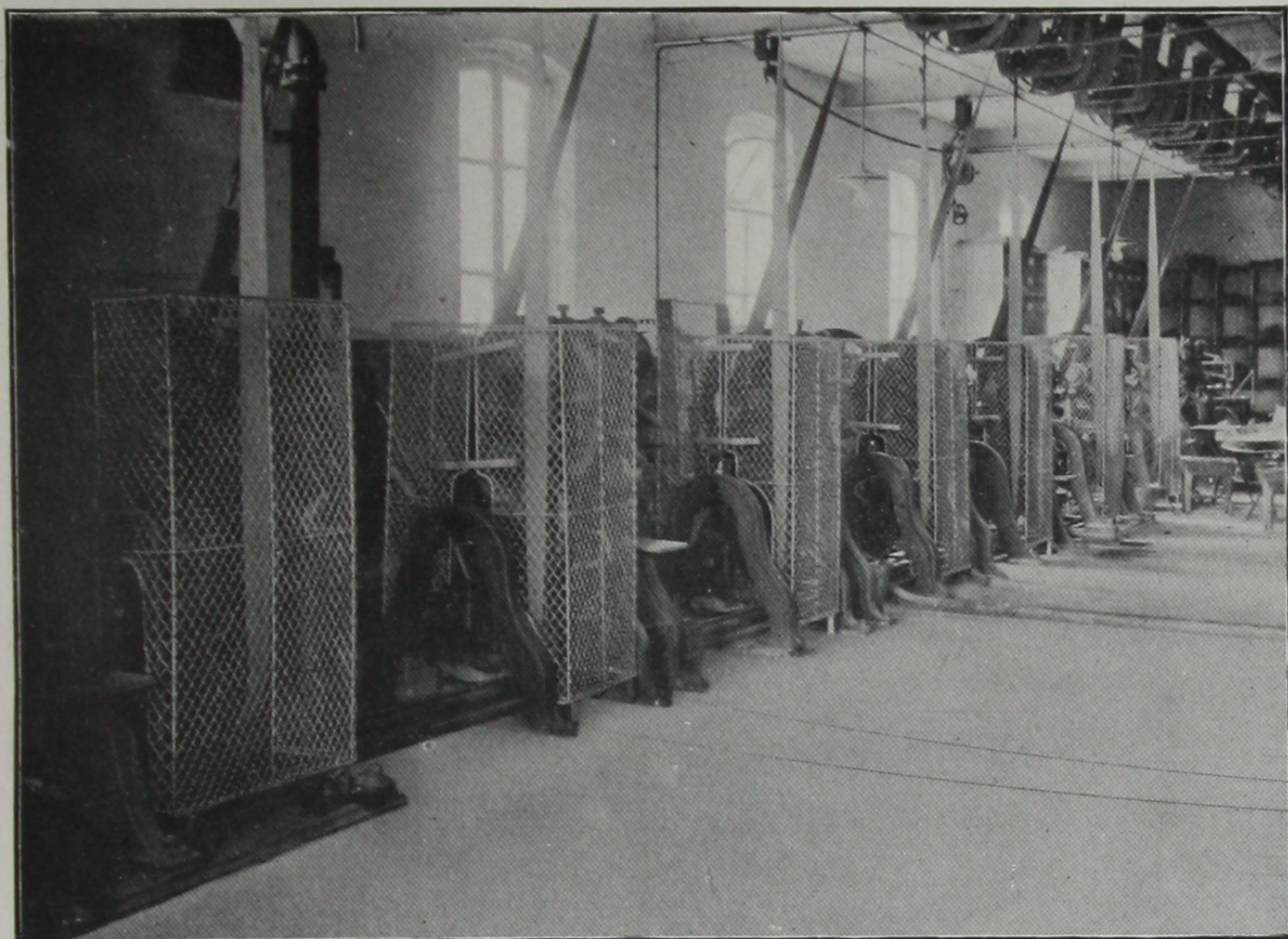


We are prepared to submit special designs with quotations upon receipt of a rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.

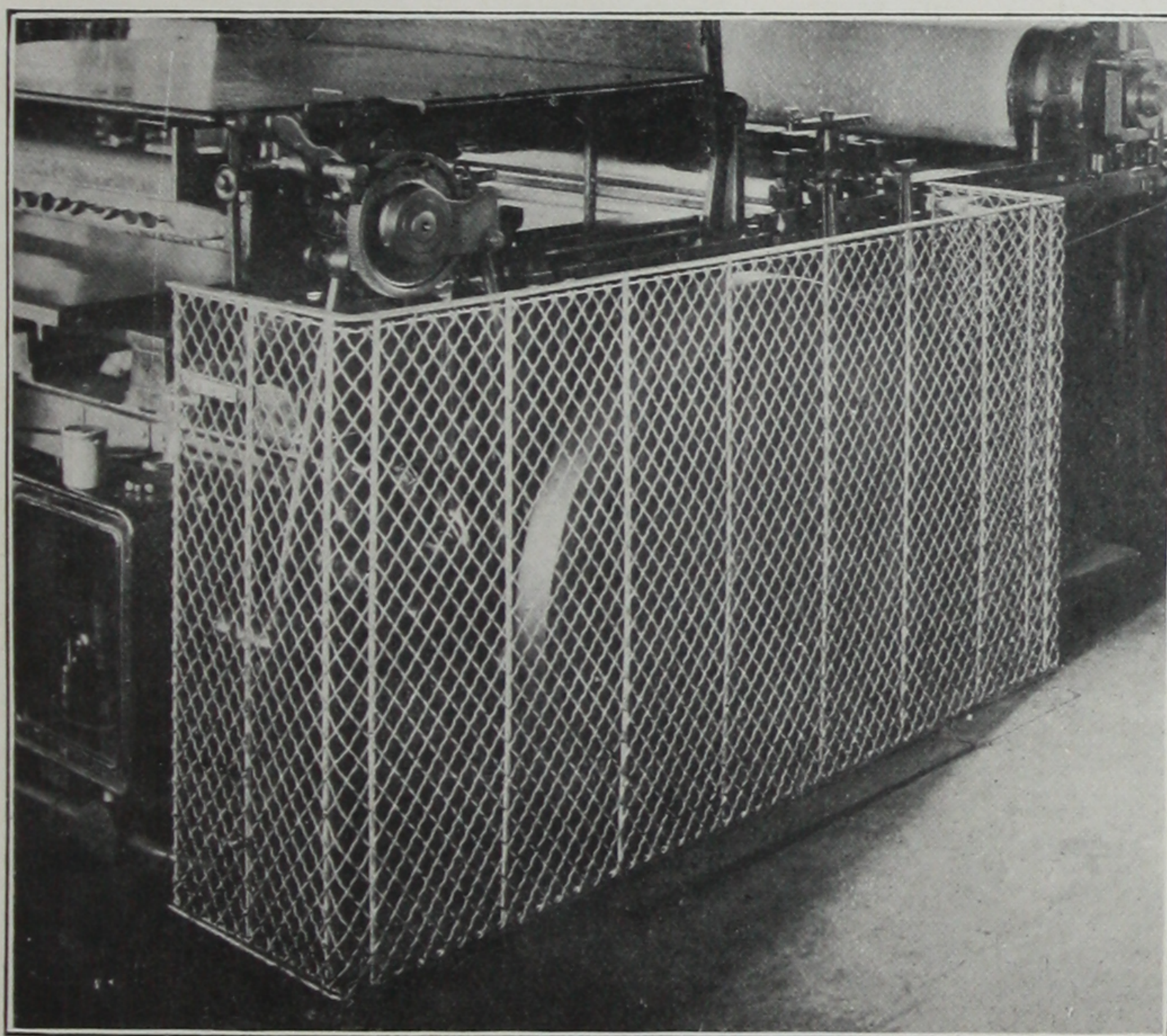


## Machinery Guards

Made from Steel Wire.  
Galvanized or Enamelled  
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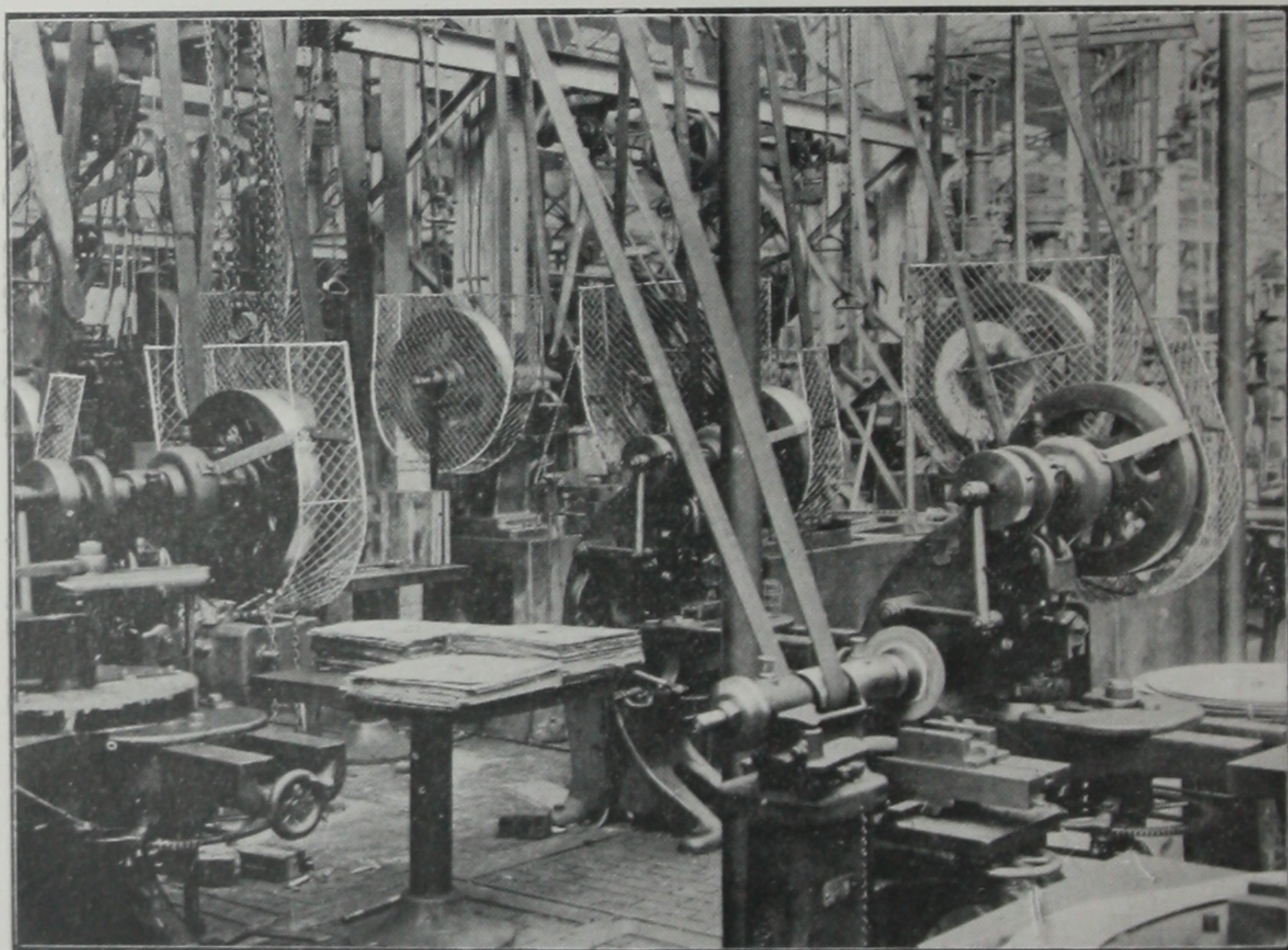
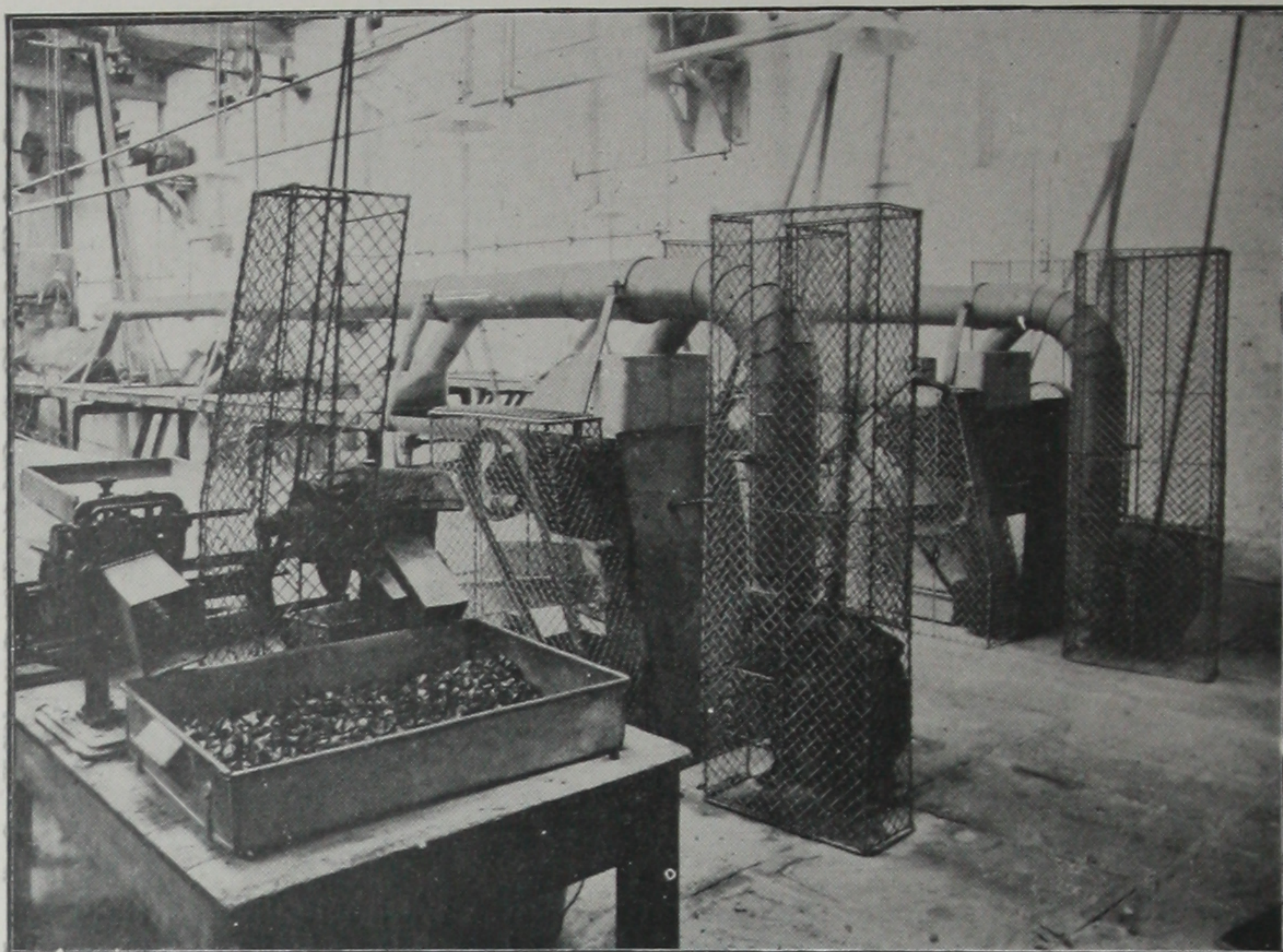
**Richard Johnson, Clapham & Morris, Ltd., Manchester**

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## Machinery Guards

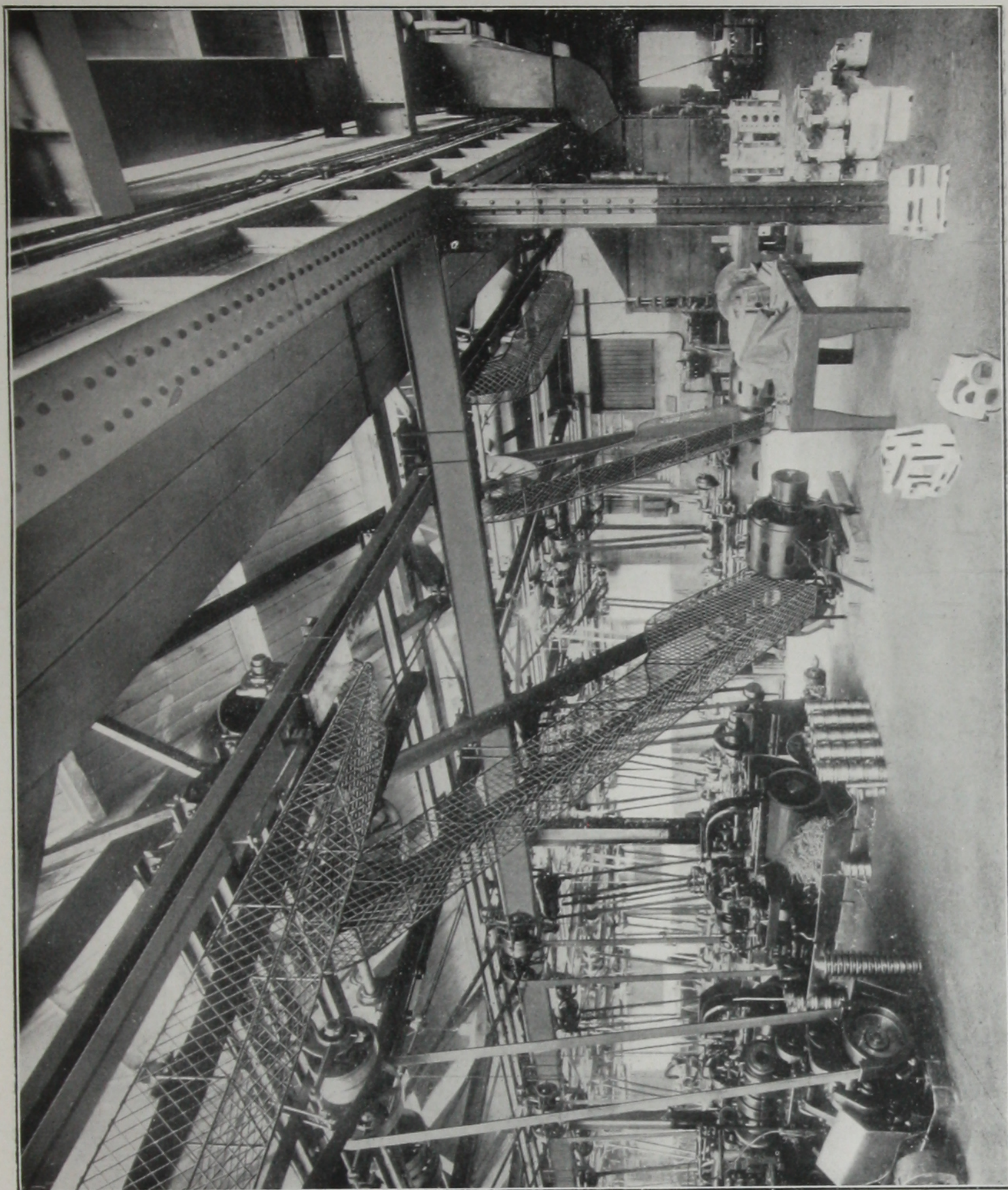
Made from Steel Wire.

Galvanized or Enamelled after made



We are prepared to submit special designs with quotations upon receipt of rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.





## Guards for Main and Overhead Belts

—  
Made from Steel Wire.

—  
Galvanized or Enamelled  
after made.



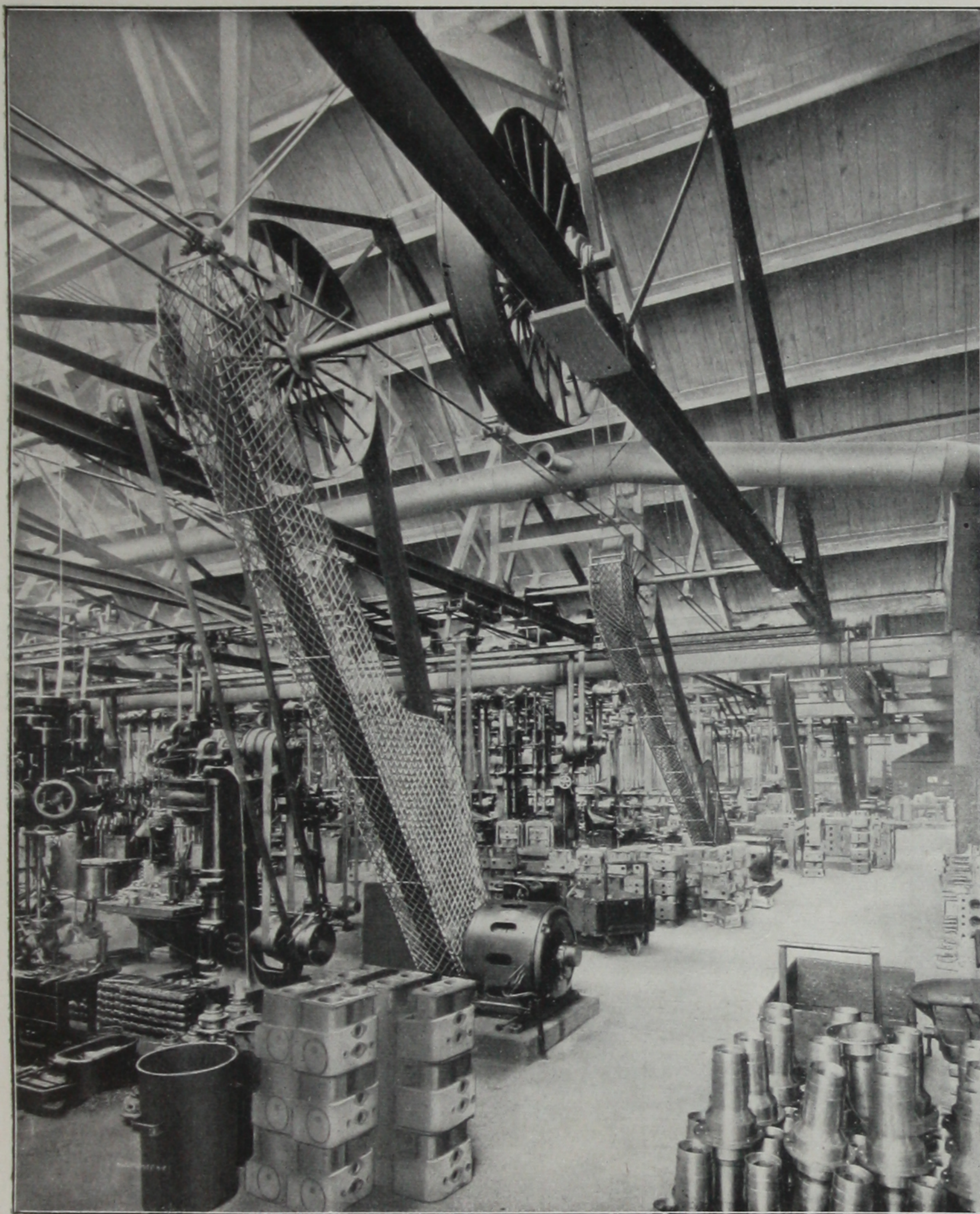
## Guard for Main Driving Belt



Made from Steel Wire. Galvanized or Enamelled after made.

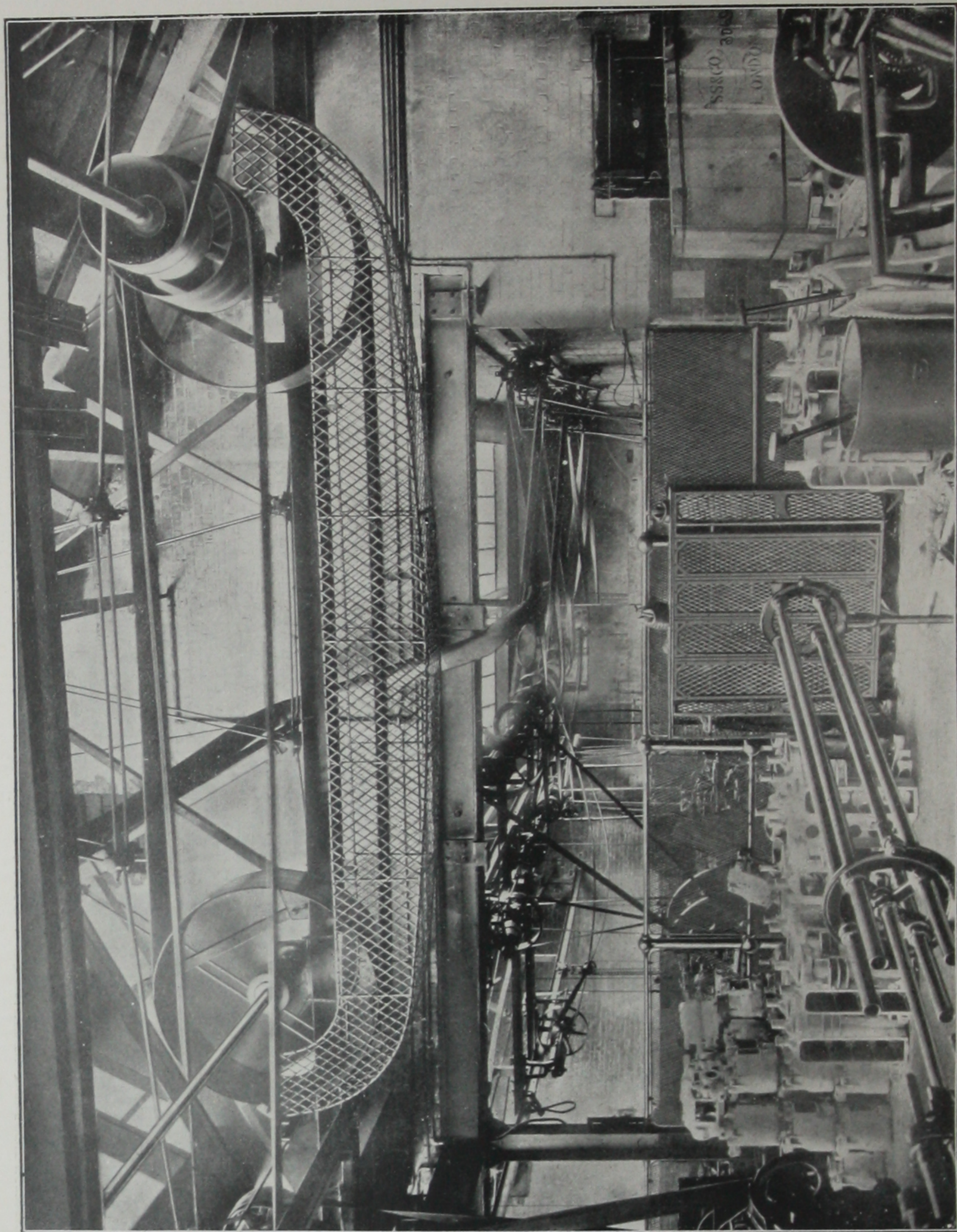


## Guards for Main Driving Belts



Made from Steel Wire. Galvanized or Enamelled after made.





# Guard for Overhead Belt

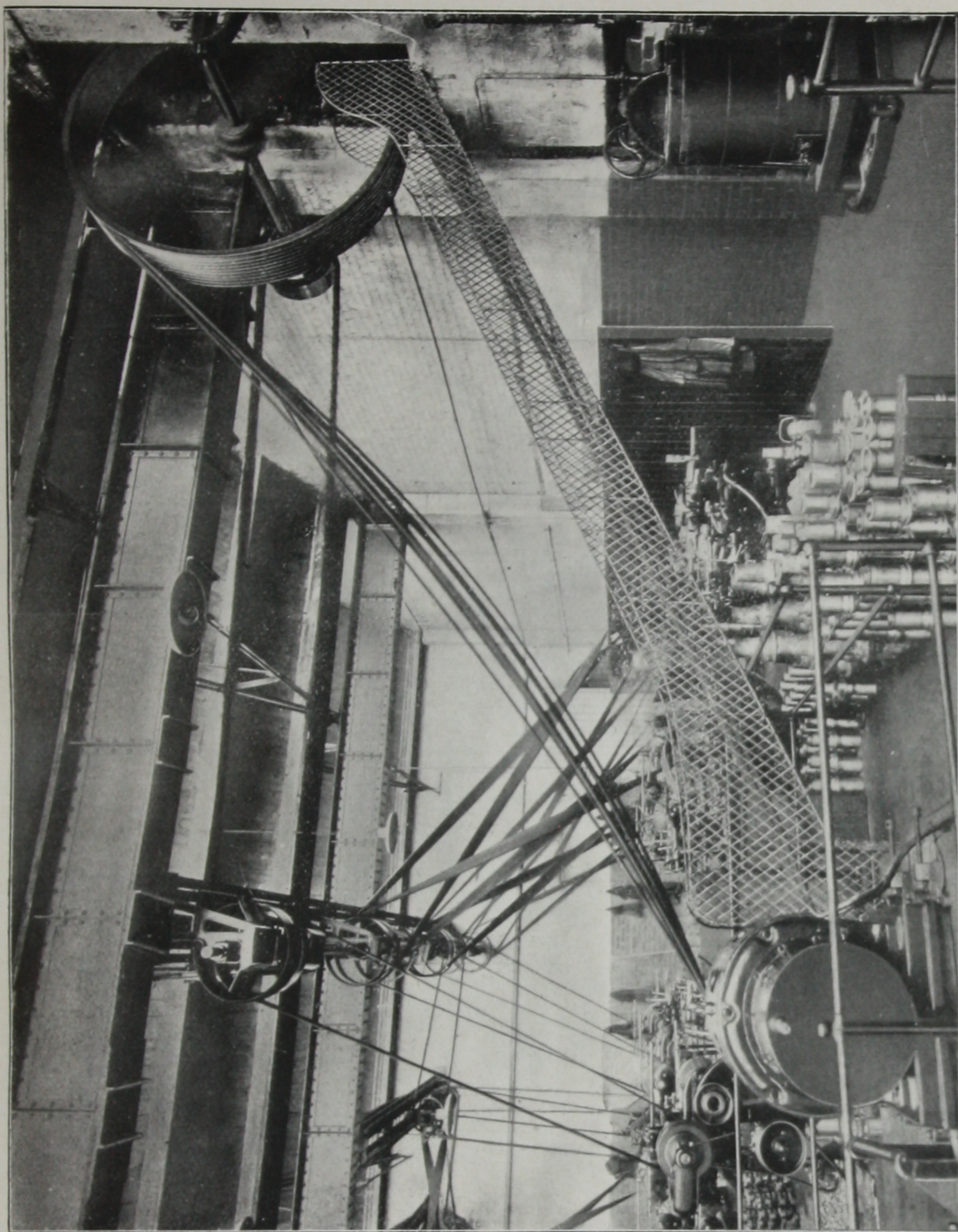
—

Made from Steel Wire.

—

Galvanized or Enamelled  
after made.



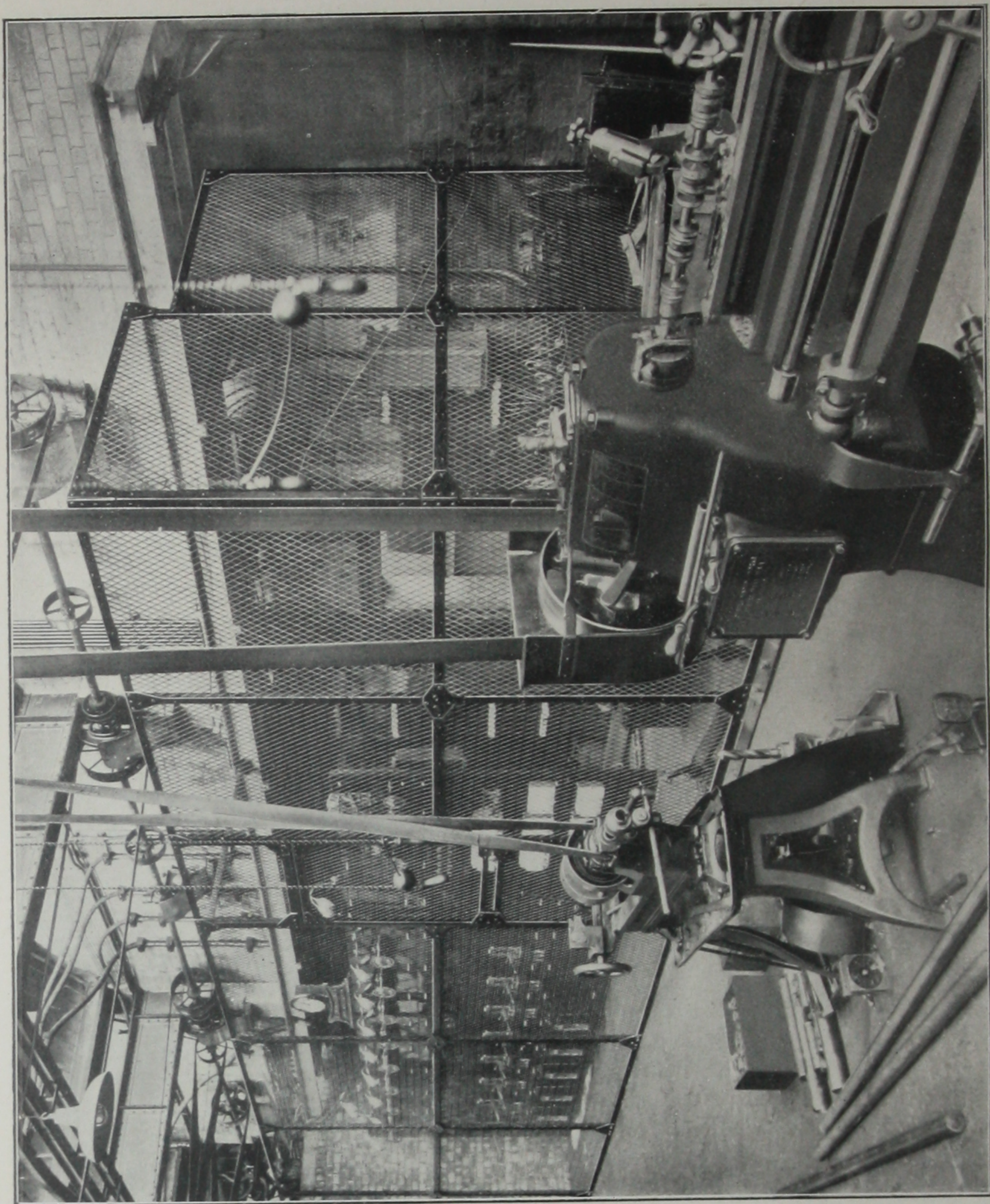


## Guard for Main Rope Drive

—  
Made from Steel Wire.

—  
Galvanized or Enamelled  
after made.





## Enclosure for Switch Board

—  
Made from Steel Wire.

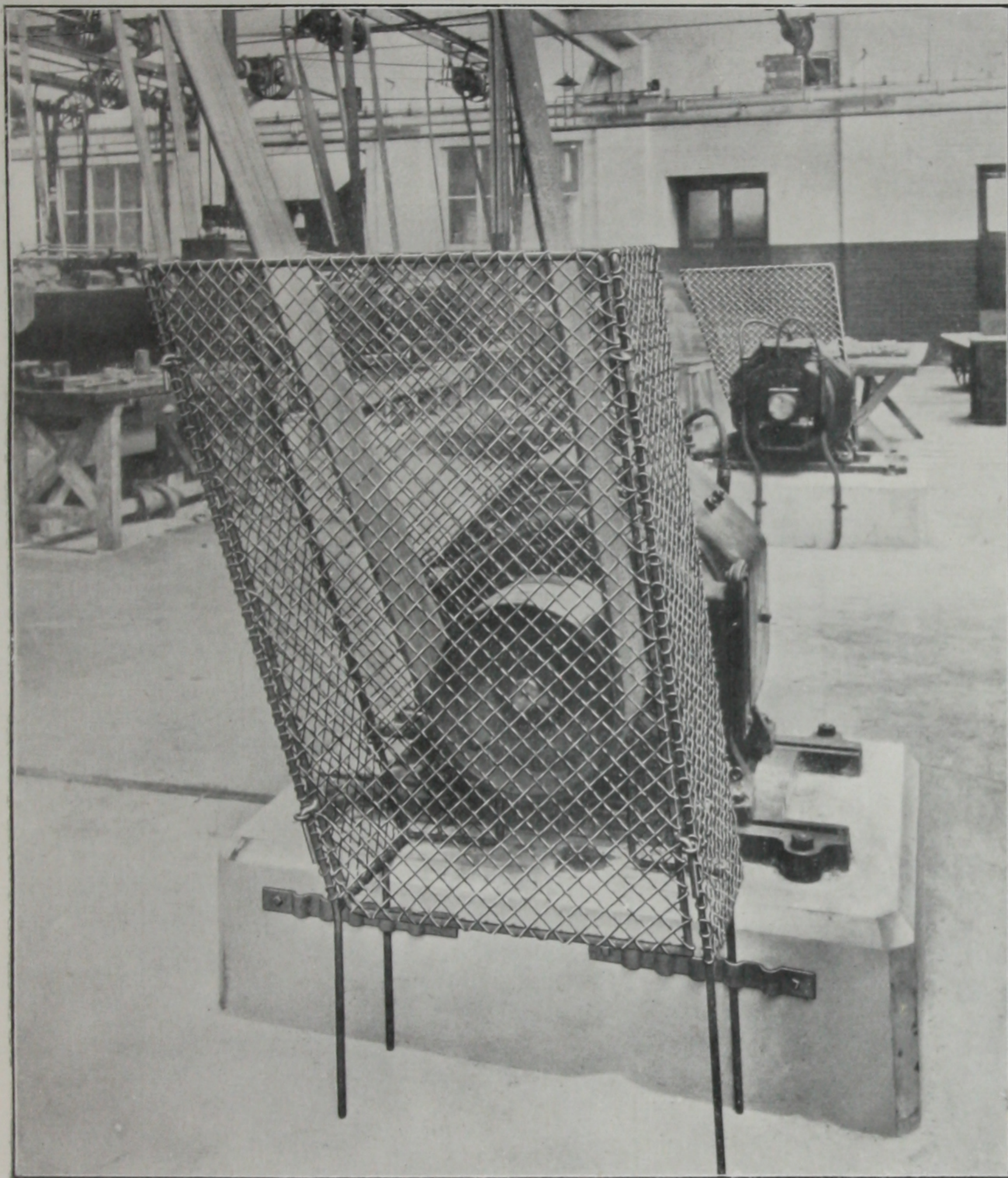
—  
Galvanized and Enamelled  
after made.



## Machine and Strap Guard

Made from Steel Wire.

Galvanized or Enamelled after made.



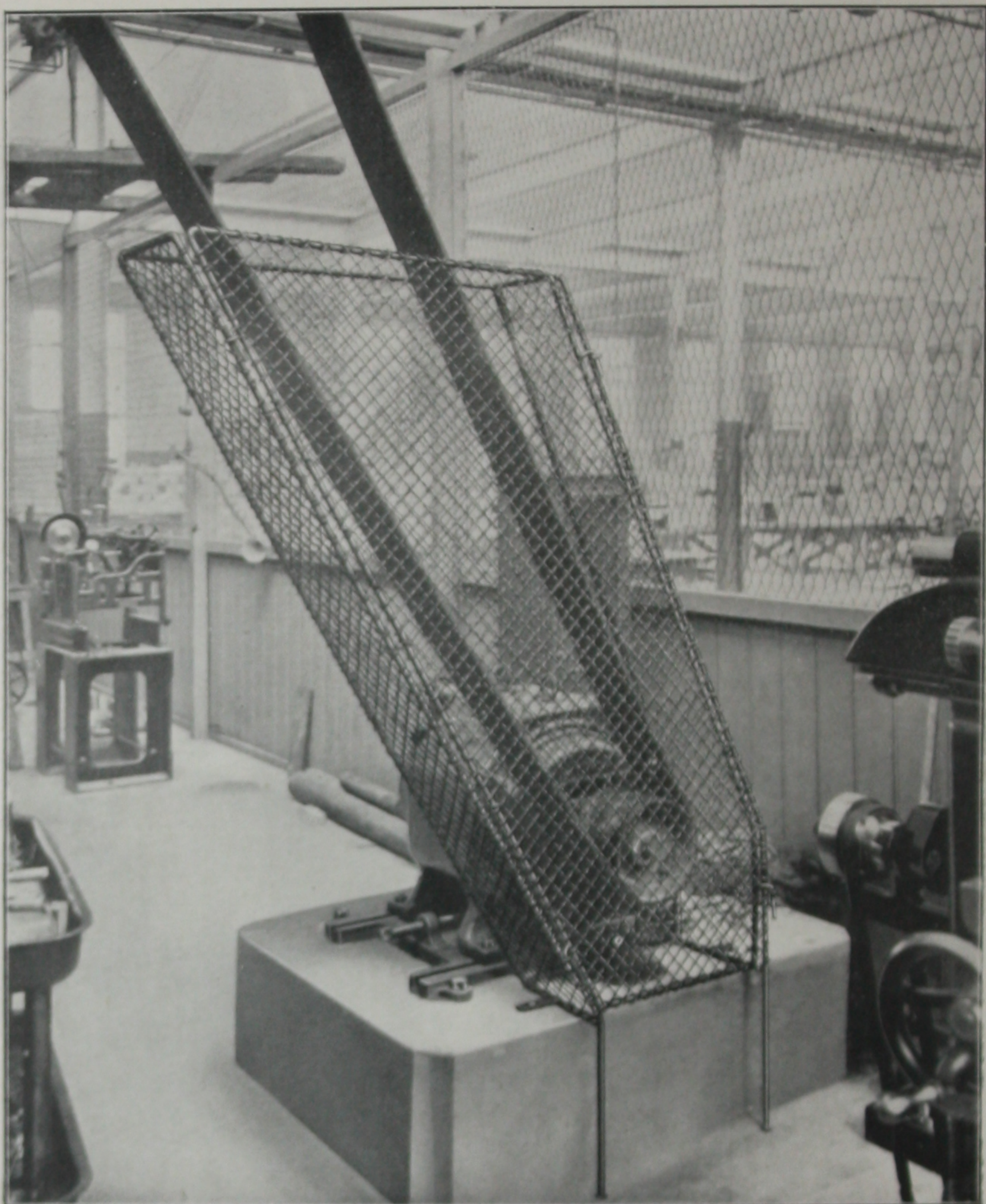
We are prepared to submit special designs with quotations upon receipt of a rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.



## Machine and Strap Guard

Made from Steel Wire.

Galvanized or Enamelled after made.



We are prepared to submit special designs with quotations upon receipt of a rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.

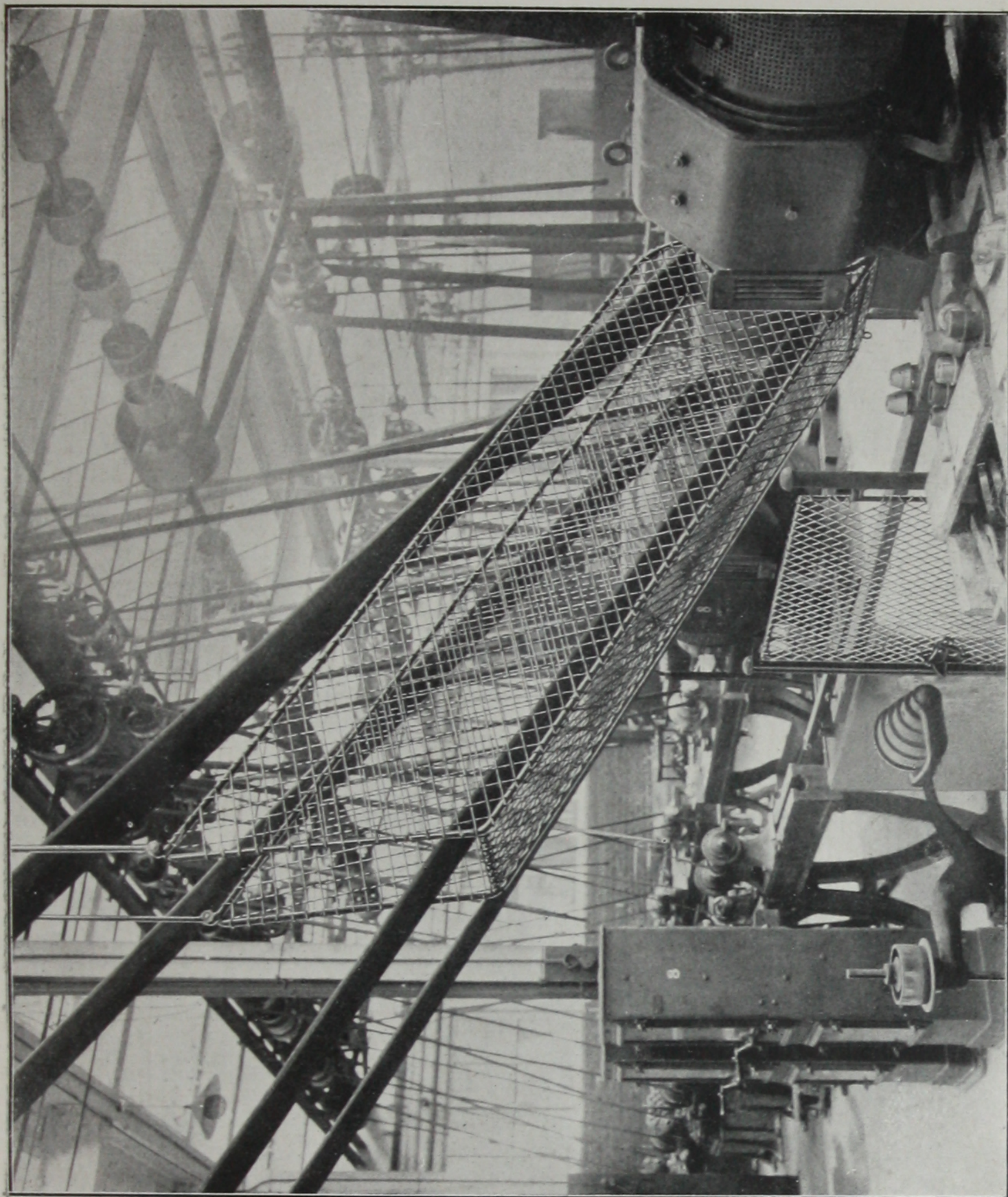


# Machine and Strap Guard

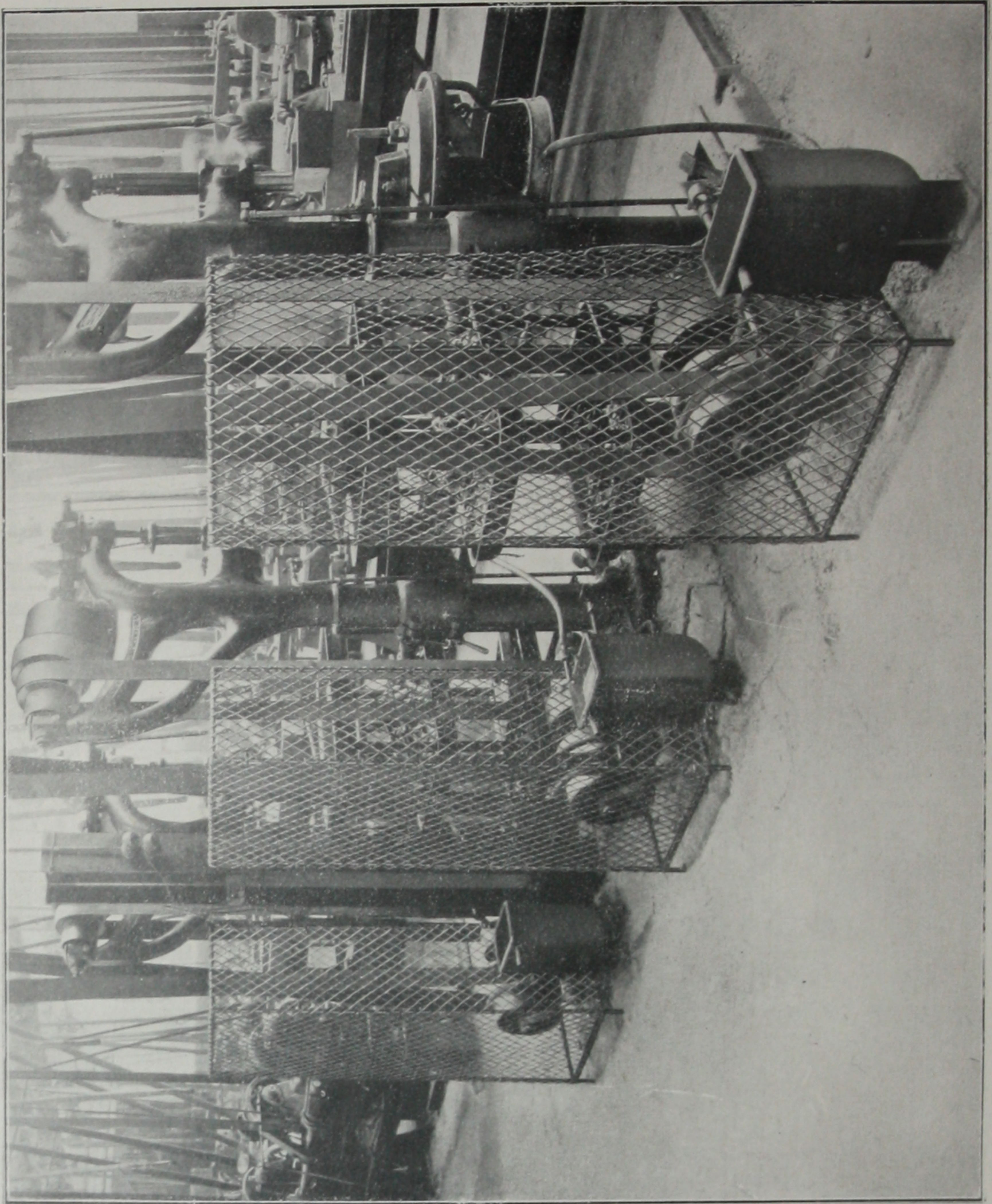
—  
Made from Steel Wire.

—  
Galvanized or Enamelled  
after made.

—  
We are prepared to submit special designs with quotations upon receipt of rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.







## Machine and Strap Guard

—  
Made from Steel Wire.

—  
Galvanized or Enamelled  
after made.

—  
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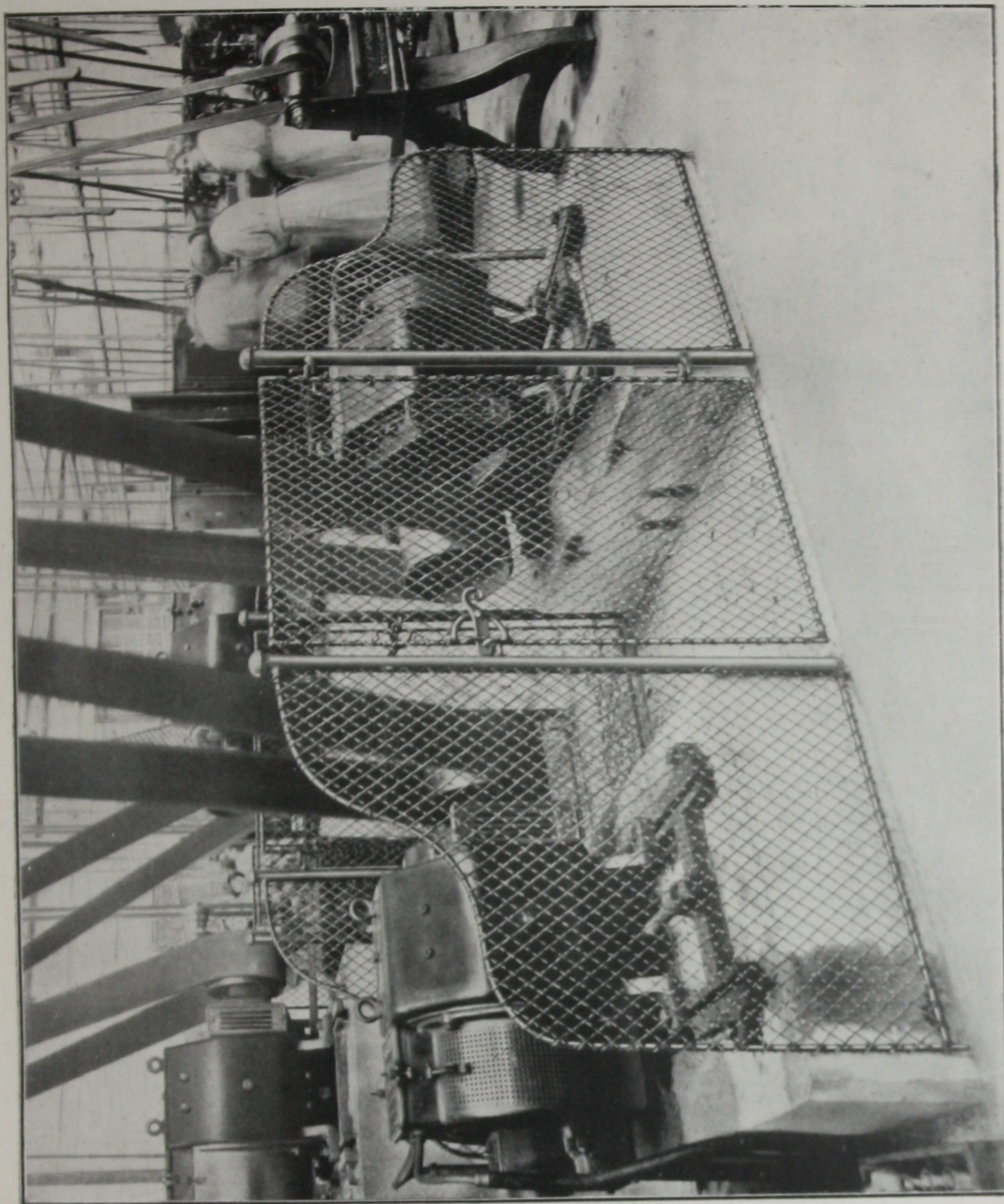


## Machine and Strap Guard

\_\_\_\_\_  
Made from Steel Wire.

\_\_\_\_\_  
Galvanized or Enamelled  
after made.

\_\_\_\_\_  
We are prepared to submit special designs with quotations upon receipt of rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.

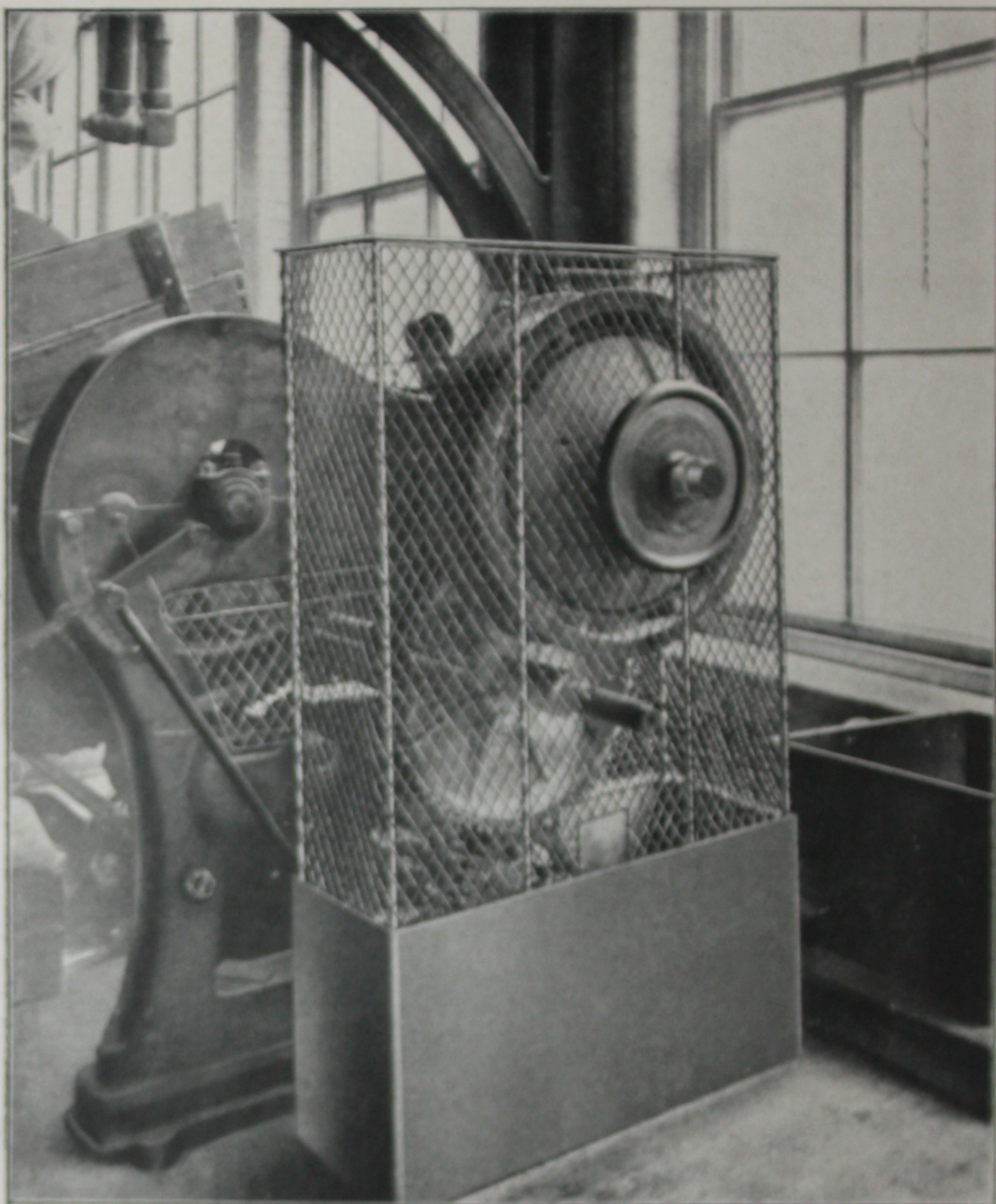




## Machinery Guards

Made from Steel Wire.

Galvanized or Enamelled after made.



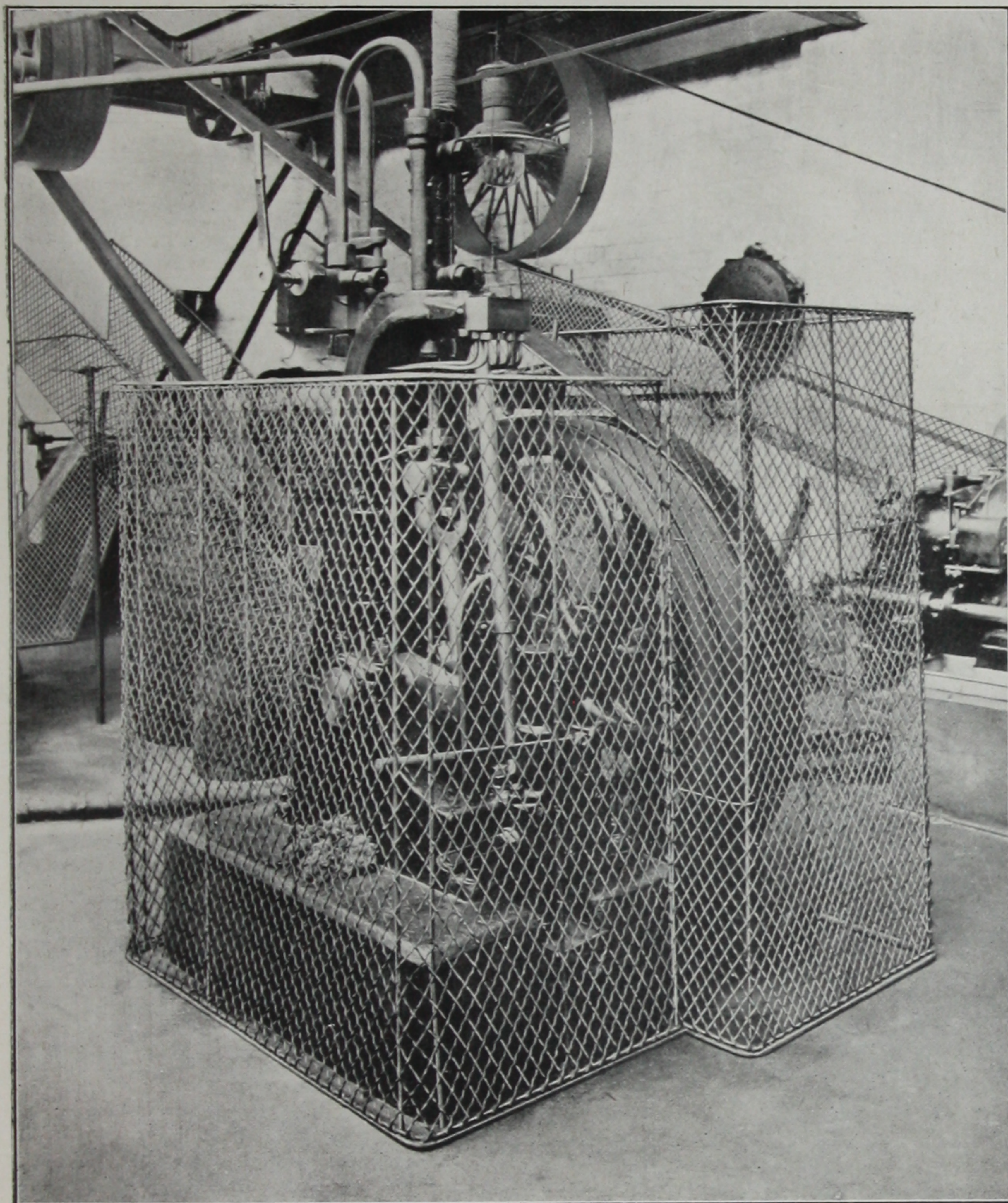
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## Machinery Guards

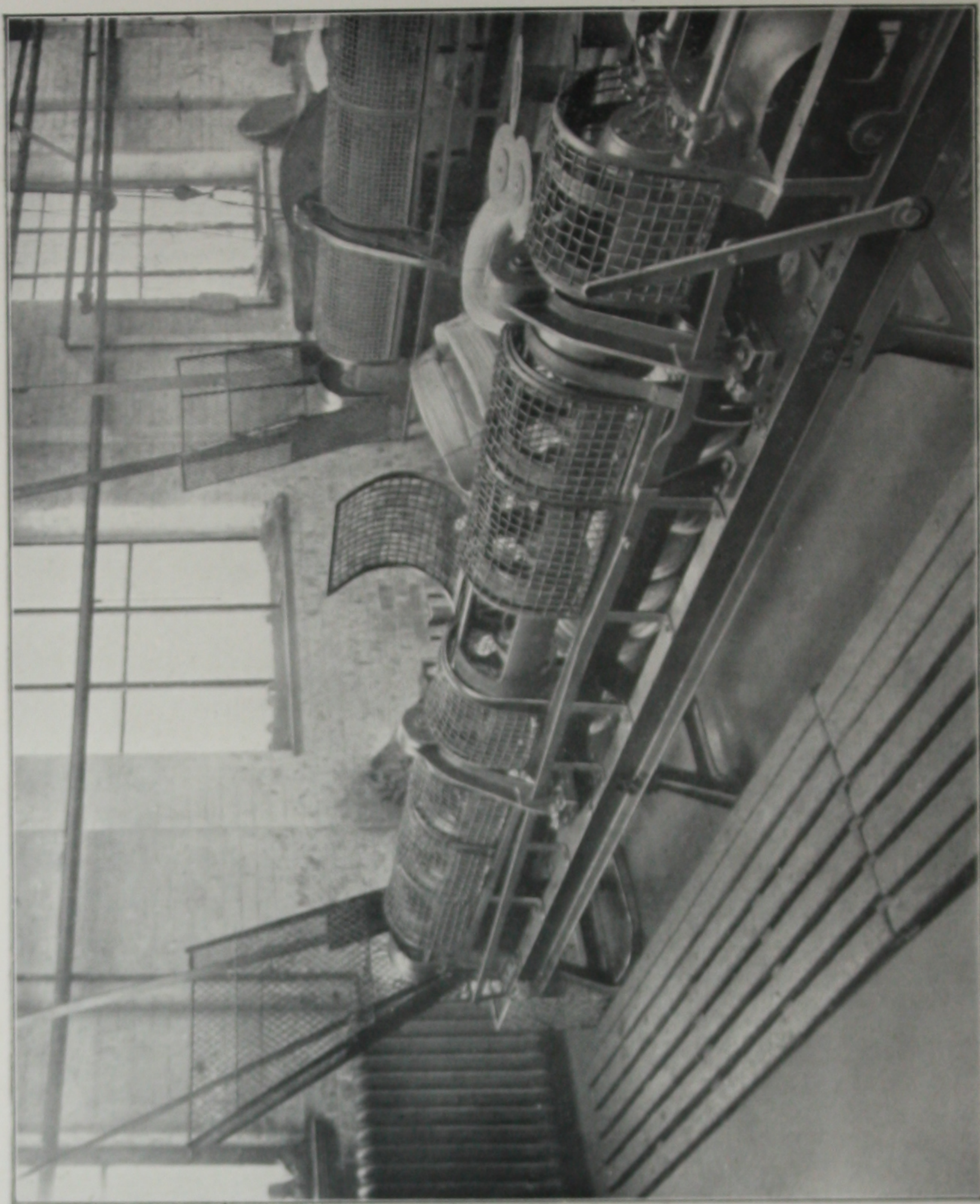
Made from Steel Wire.

Galvanized or Enamelled after made.



We are prepared to submit special designs with quotations upon receipt of a rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.





## Machine and Strap Guard

Made from Steel Wire.

Galvanized after made.

We are prepared to submit special designs with quotations upon receipt of a rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.

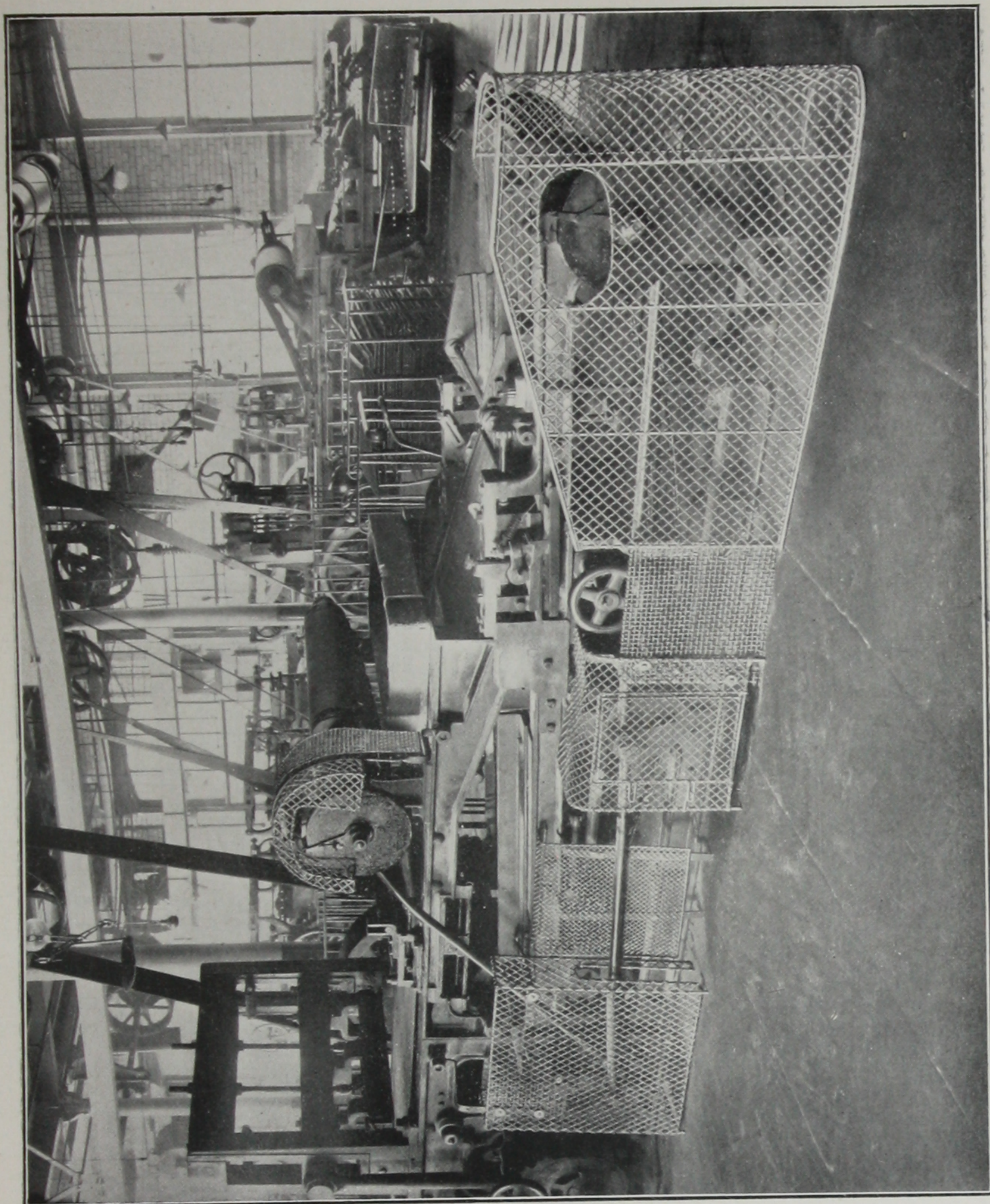


## Machine and Strap Guard

—  
Made from Steel Wire.

—  
Galvanized or Enamelled  
after made.

—  
We are prepared to submit special designs with quotations upon receipt of a rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.





# Guards for Skylights

—  
Made from Steel Wire.

—  
Galvanized after made.

—  
Above illustration is designed  
to allow of windows being  
cleaned without removing the  
guards.

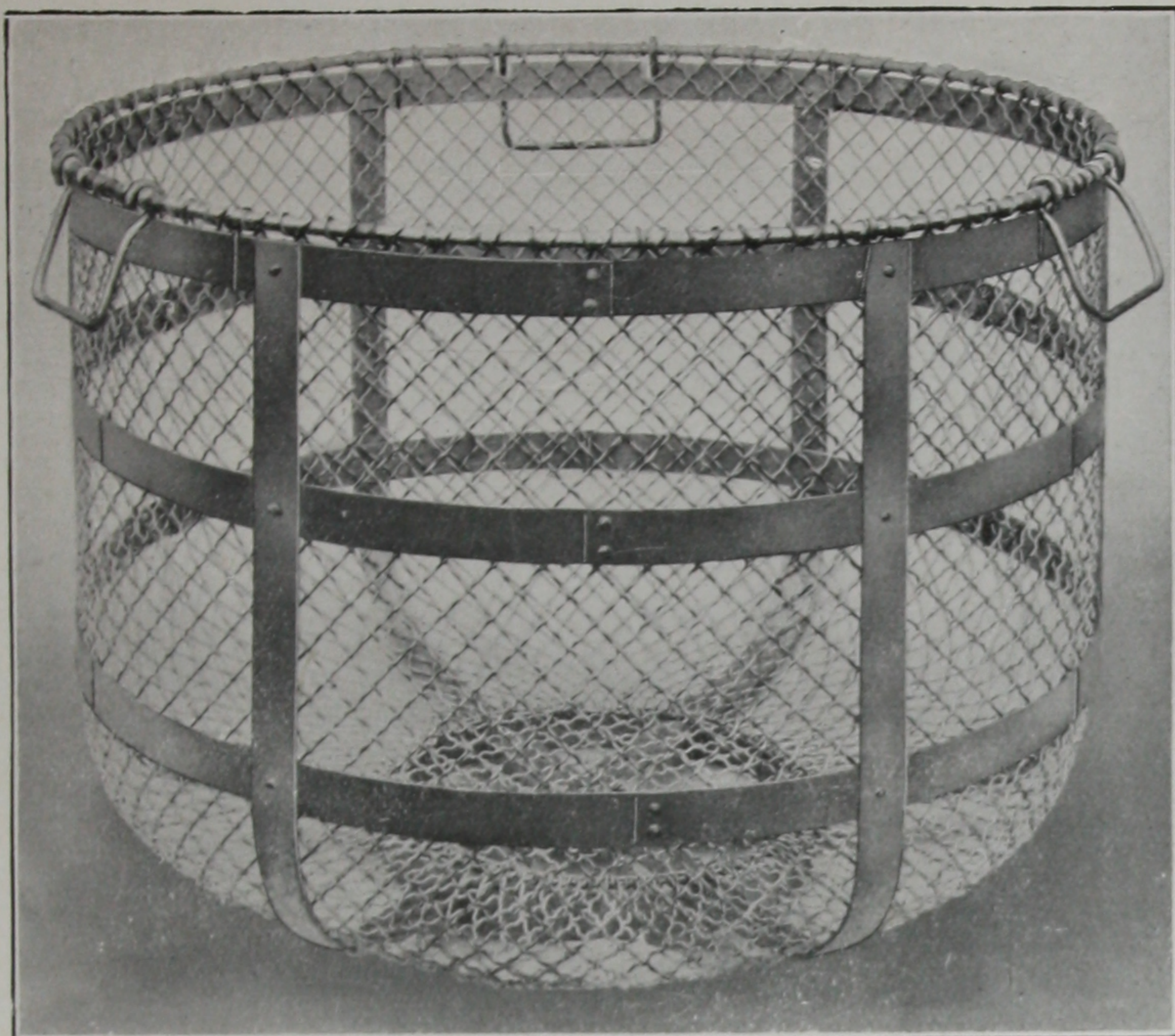
—  
We are prepared to submit  
special designs with quotations  
upon receipt of rough sketch,  
and, if desired, send skilled  
workmen to erect and fix.





## Special Wire Work

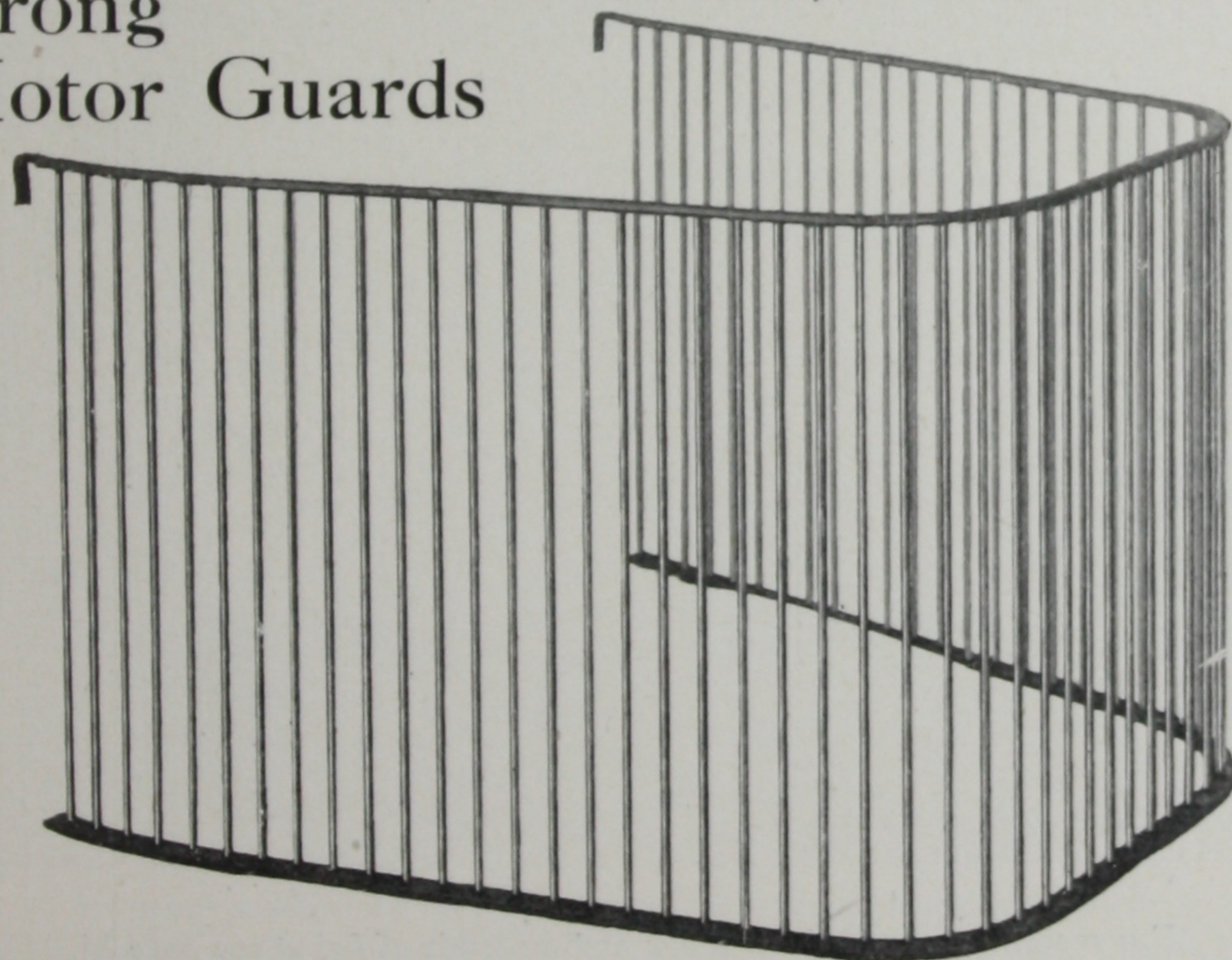
Galvanized after made.



We manufacture a very wide range of Baskets, Creels, Racks, and other apparatus for various industries, and are prepared to submit designs for the requirements of any trade.

## Strong Motor Guards

Extensively used in the Textile Industry.



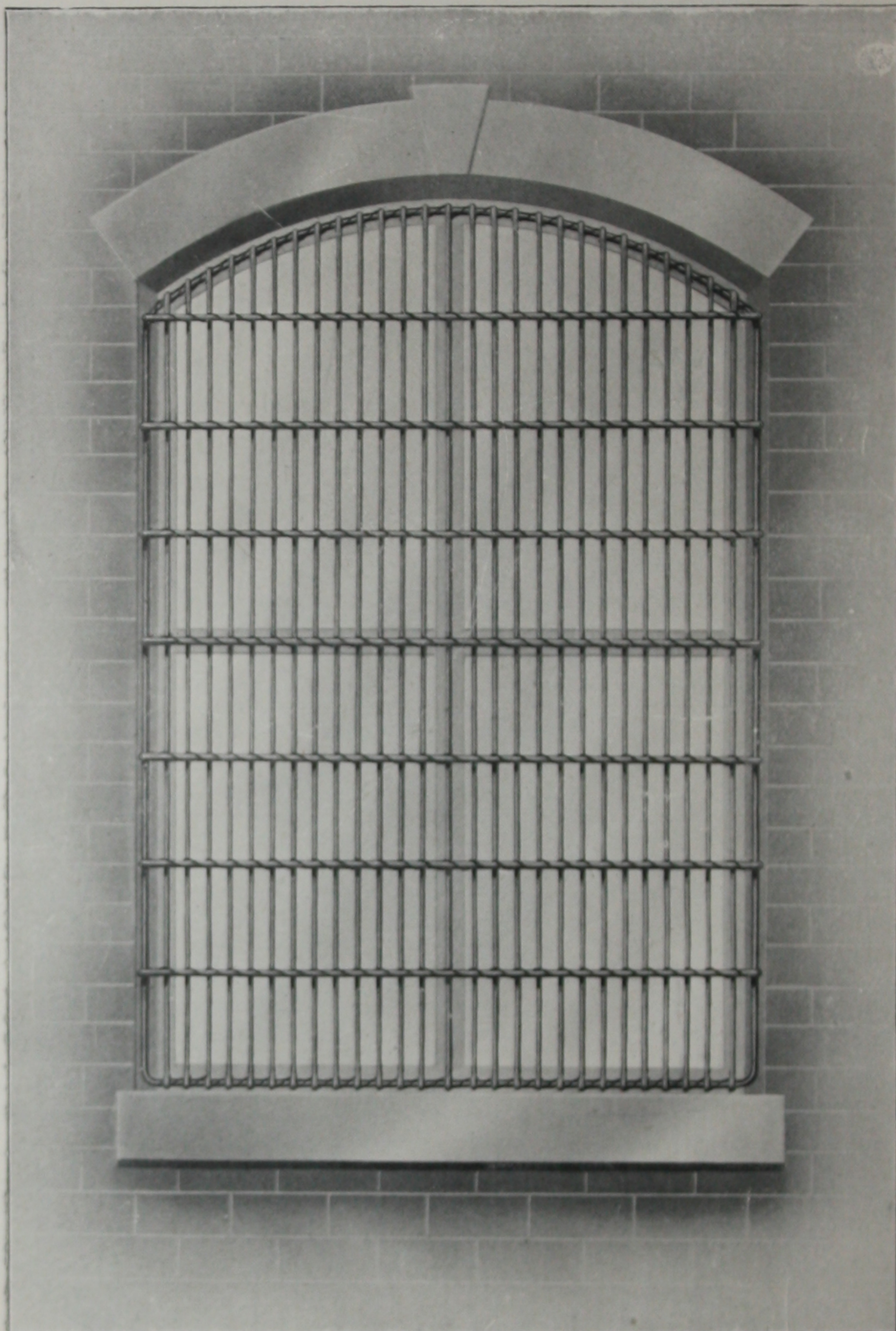
We are prepared to submit designs and quotations for guards as above upon receipt of rough sketch giving measurements.



## Window Guards

Made from Steel Wire.

Galvanized after made.



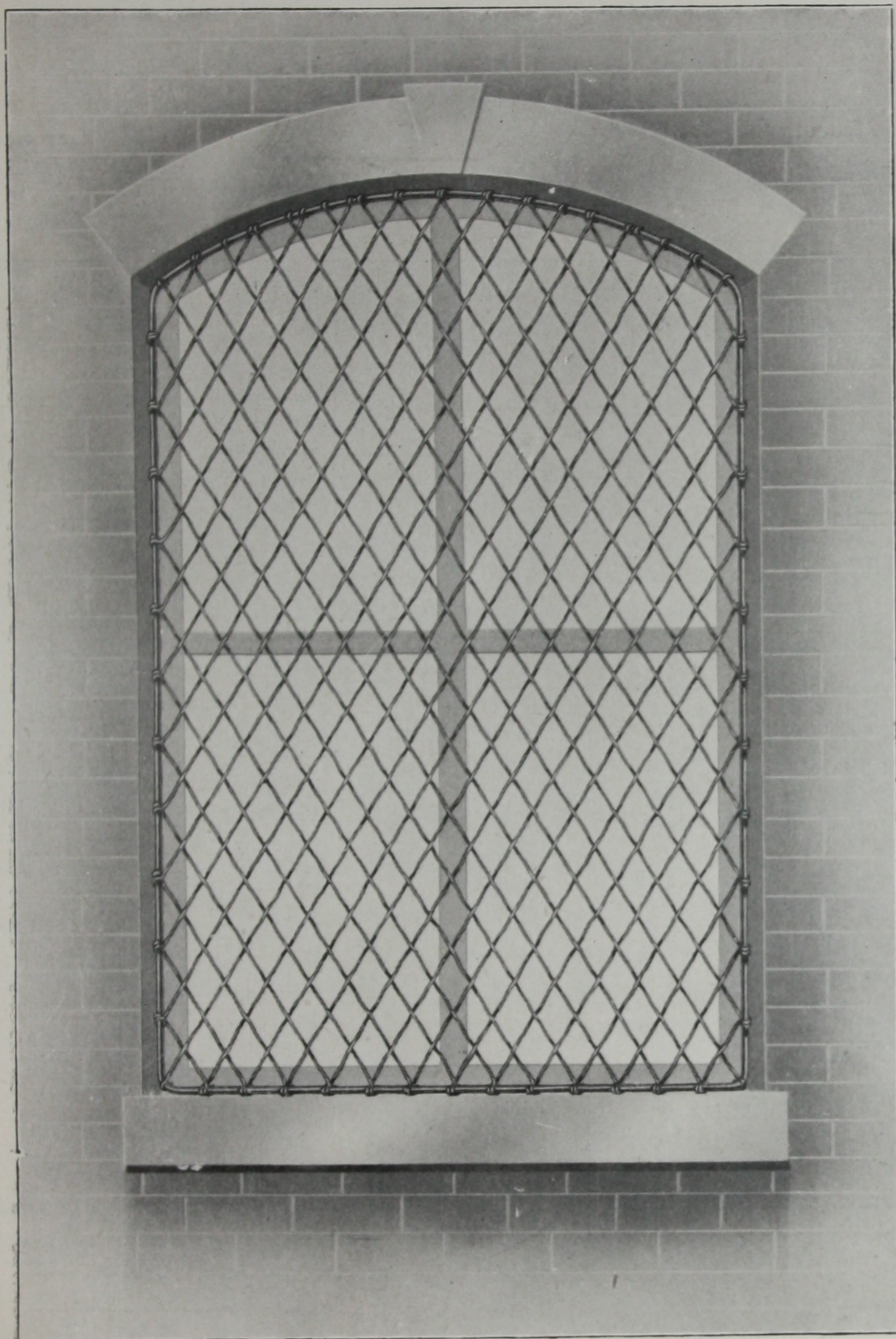
For specifications of Wire Work and methods of fixing see page 34.



## Window Guards

Made from Steel Wire.

Galvanized after made.



For specifications of Wire Work and methods of fixing see page 34.

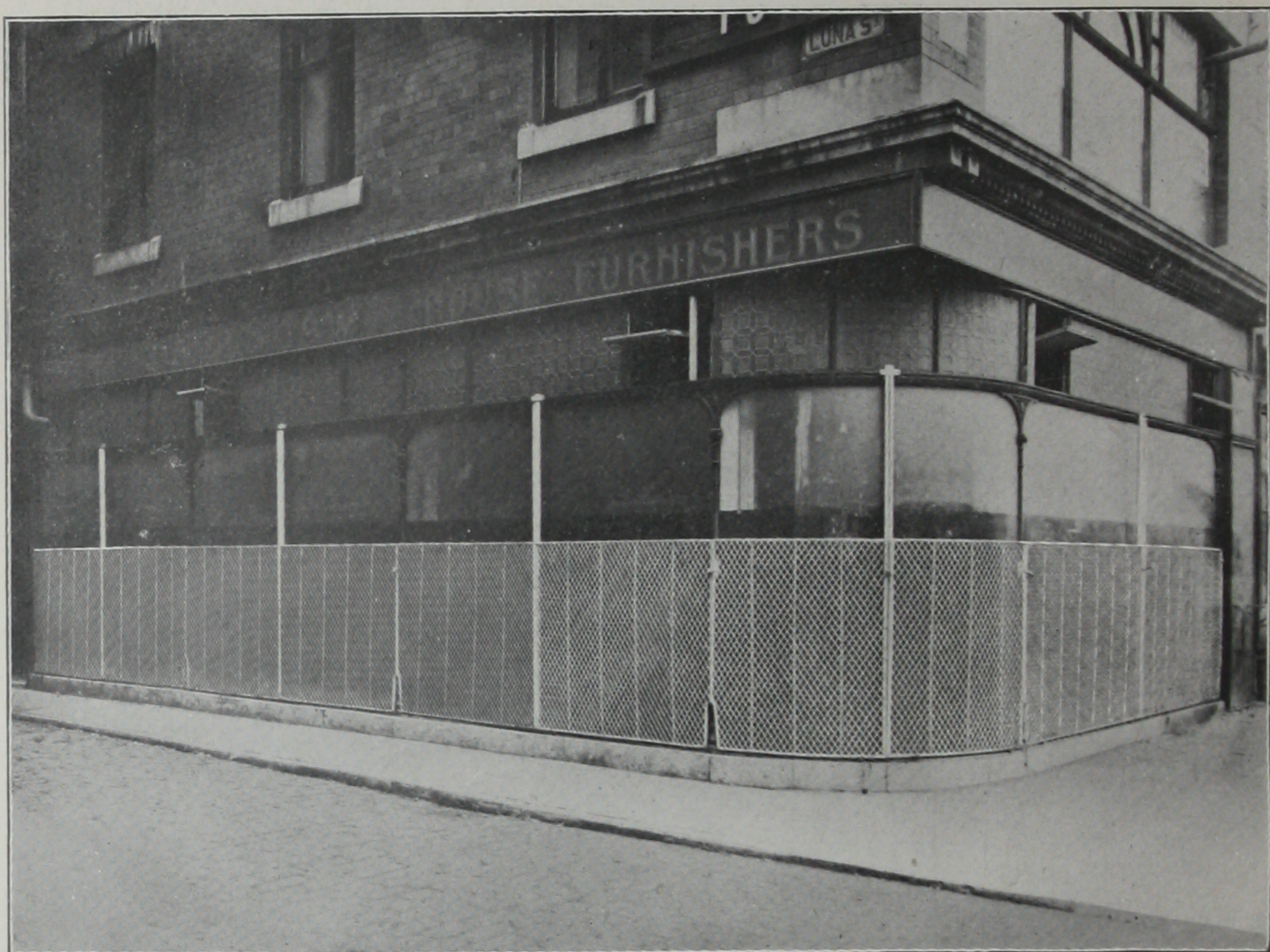


# Window Guards

To suit special conditions.

Made from Steel Wire.

Galvanized after made.



We are prepared to submit special designs with quotations upon receipt of rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.



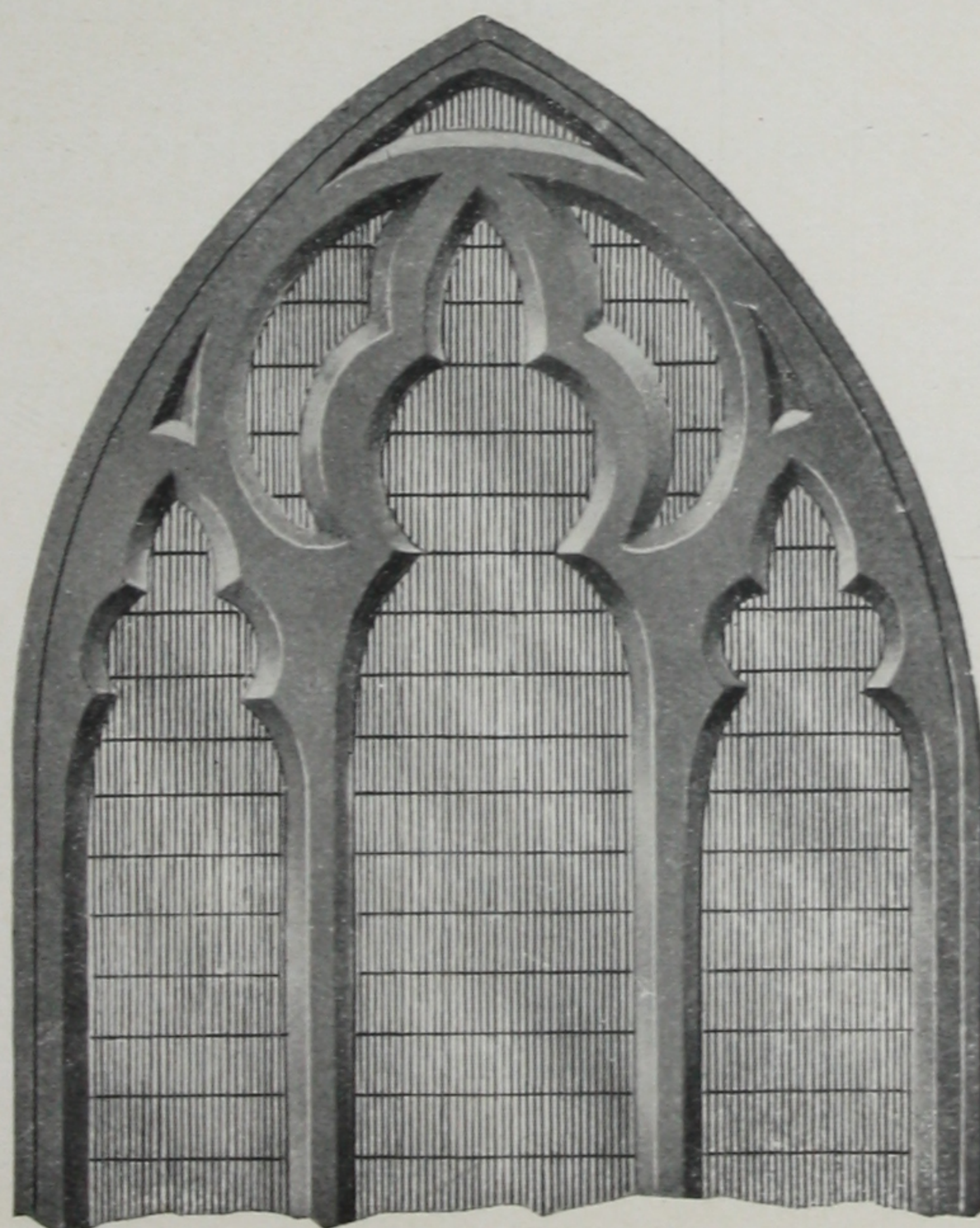
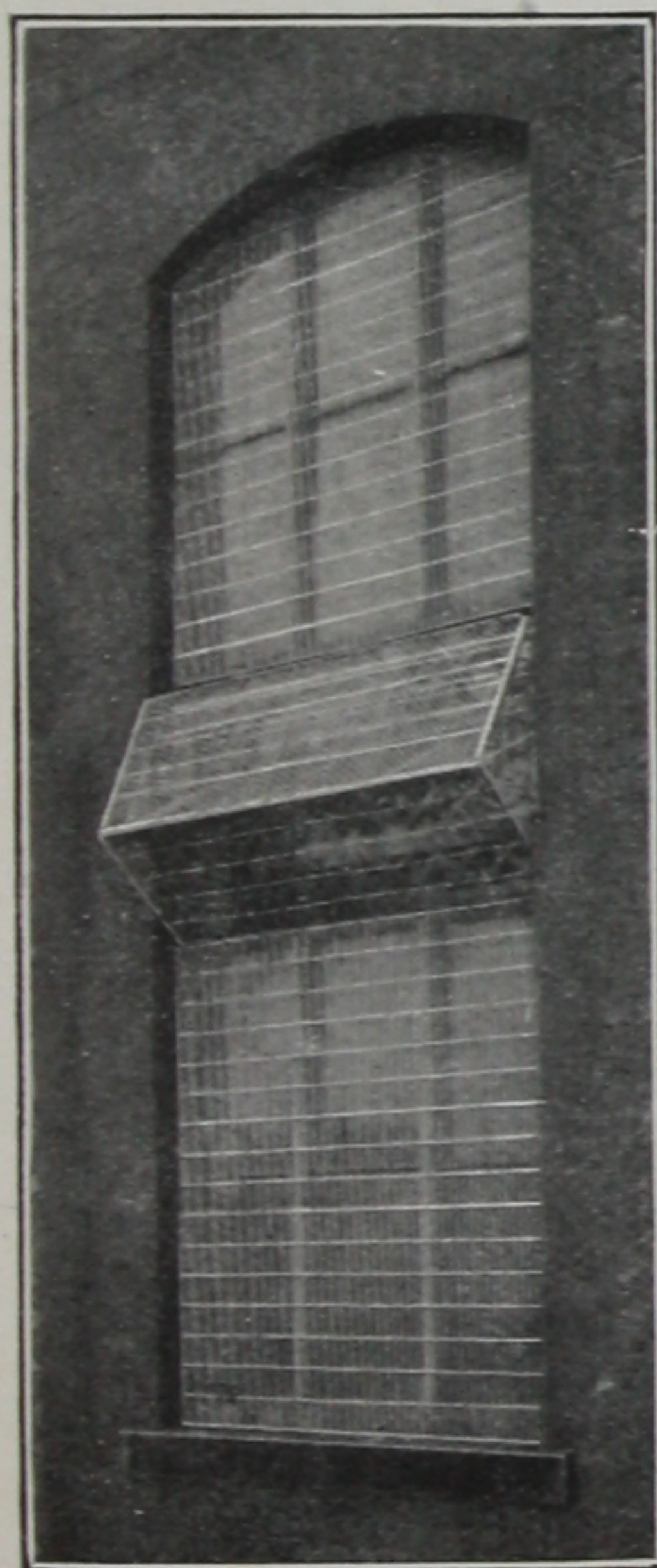
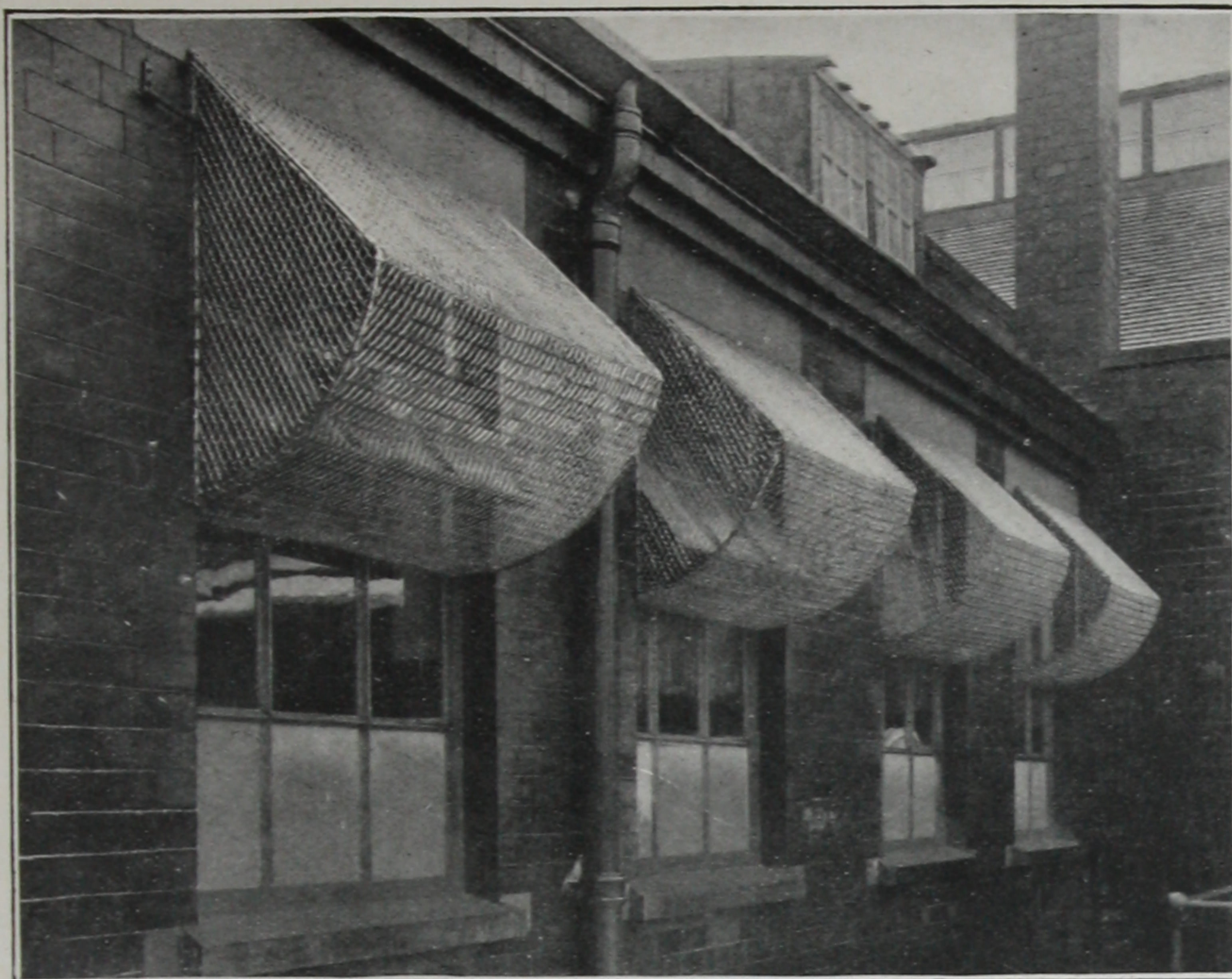
**Richard Johnson, Clapham & Morris, Ltd., Manchester**

## Window Guards

To suit special conditions.

Made from Steel Wire.

Galvanized after made.



Church Window Cuards to special designs.

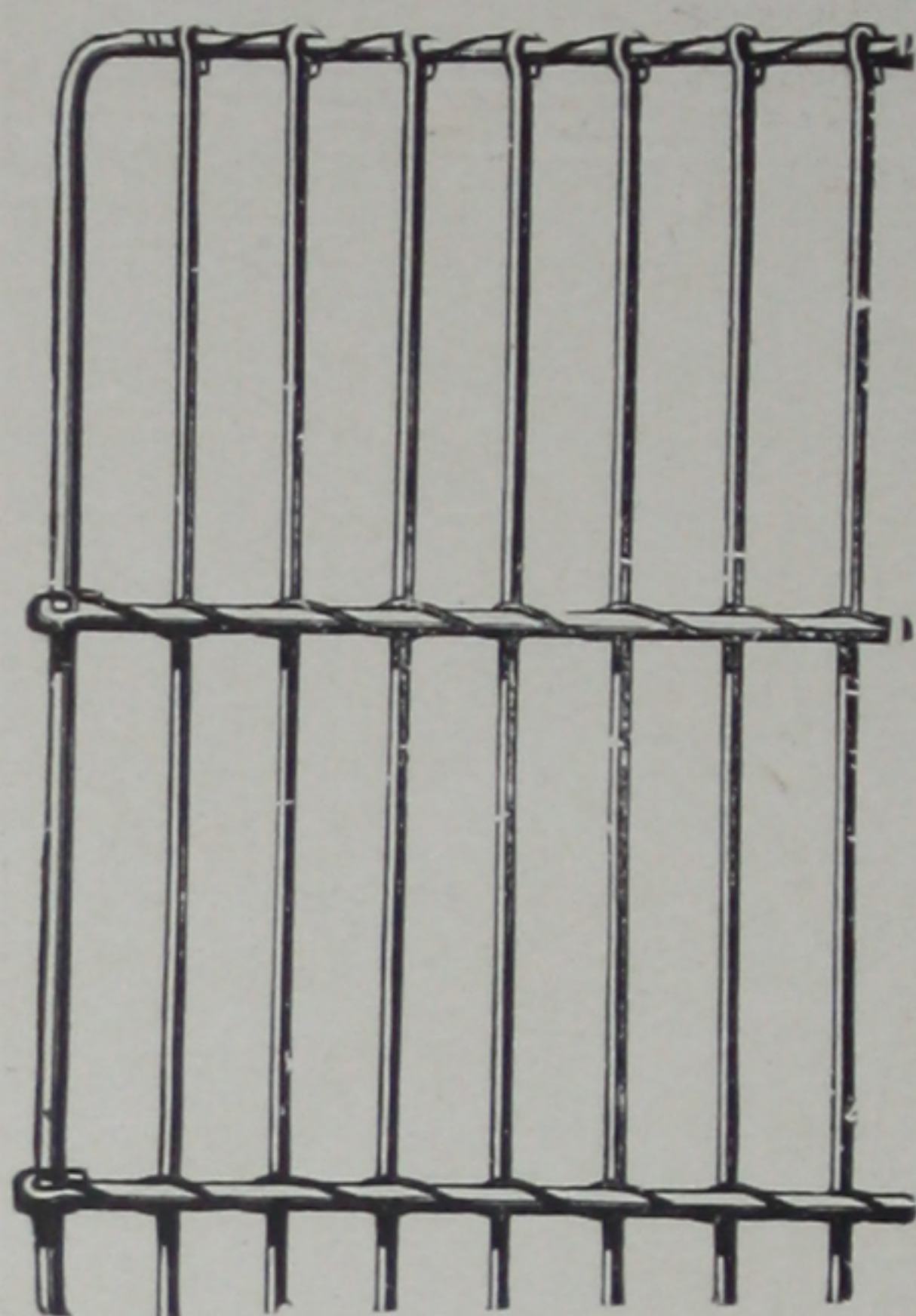
Estimates on application.



## Window Guards

Made from Steel Wire.

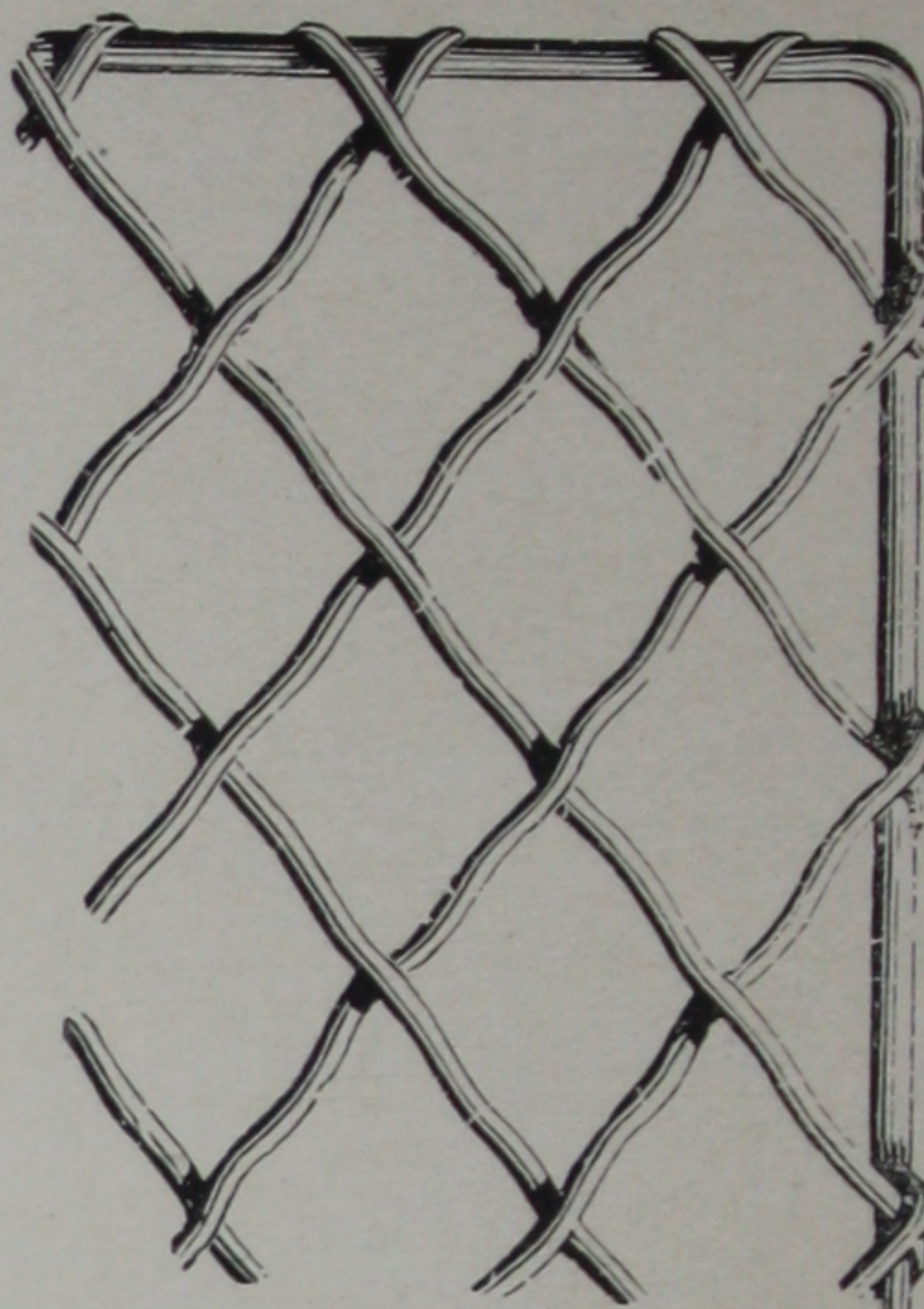
Galvanized after made.



**STRAIGHT LATTICE No. 410.**

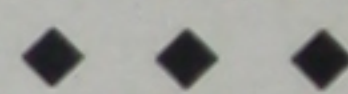
Cross Bars 4in. apart.

Mesh is measured between wires.



**DIAMOND LATTICE No. 411.**

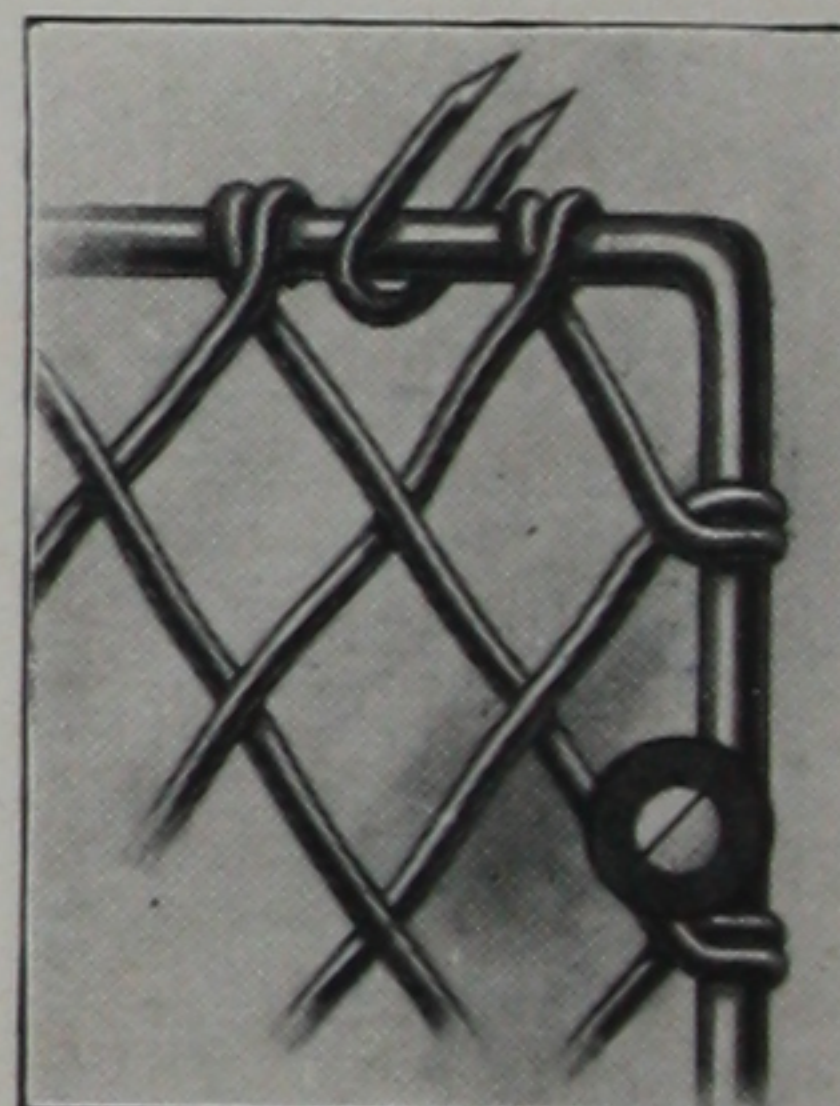
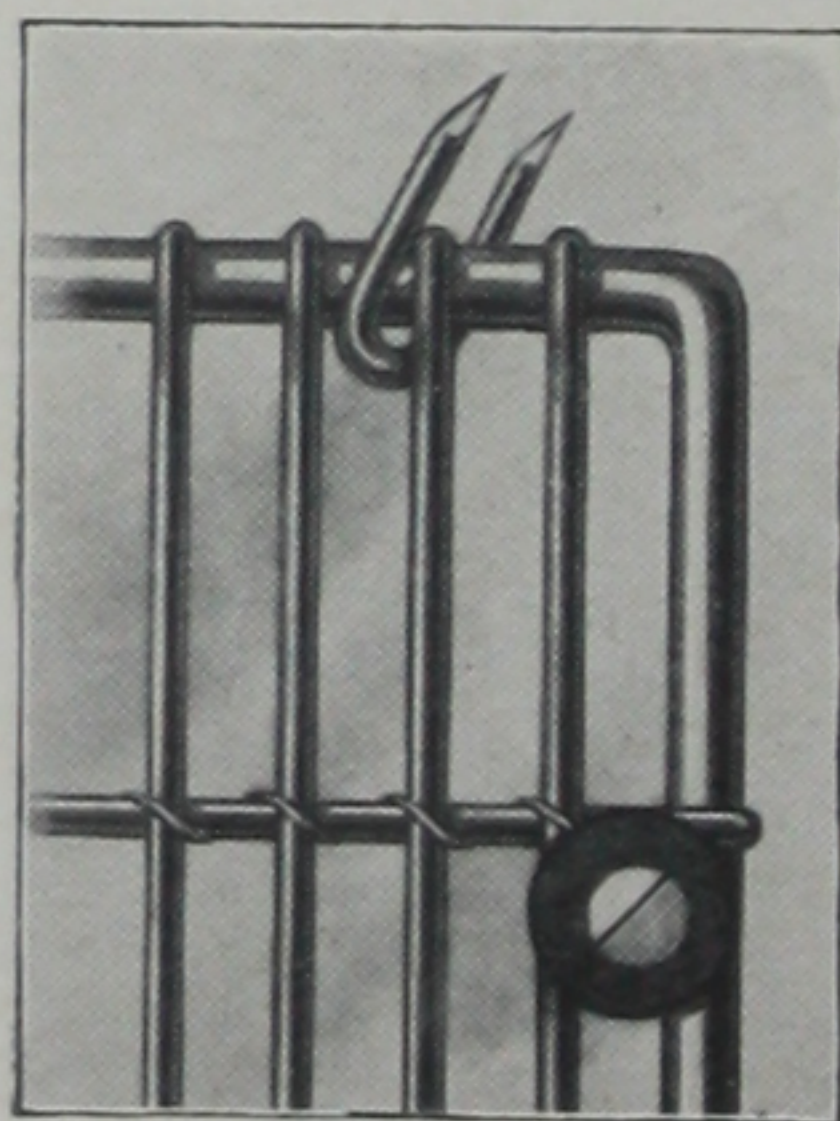
Mesh is measured from A to B.



When ordering Wire Guards state which measurement is the height.



We are prepared to submit quotations upon receipt of a rough sketch giving measurements.



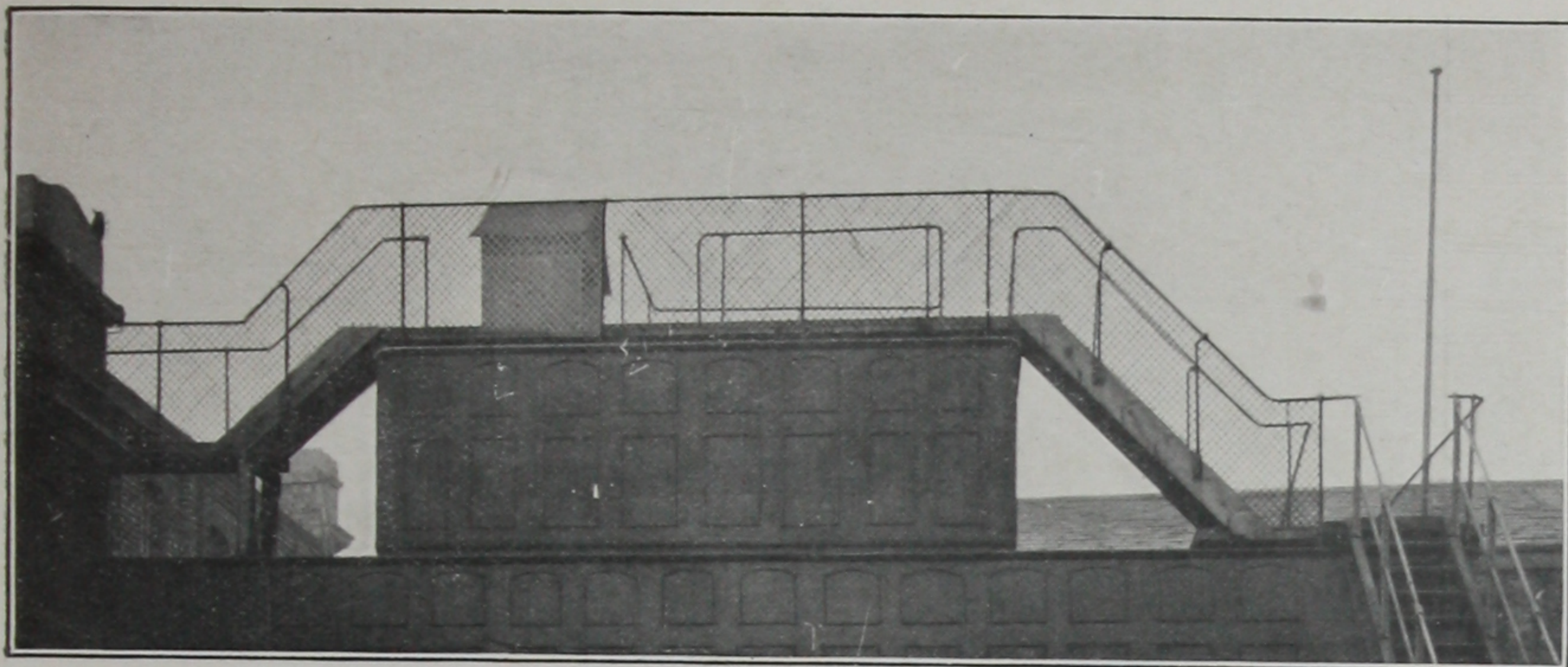
Views showing methods of fixing.



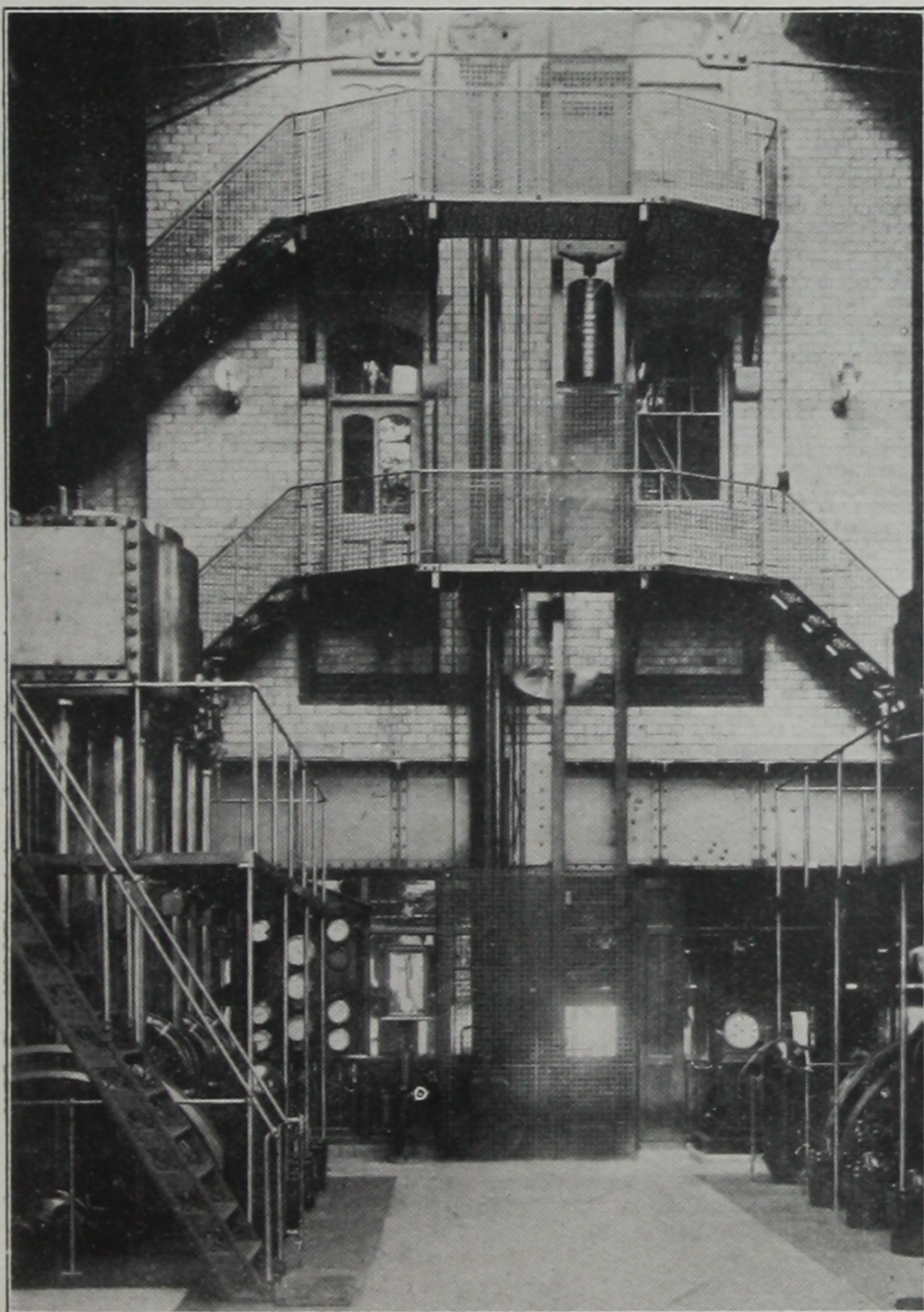
## Balcony and Gangway Guards

Made from Steel Wire.

Galvanized or Enamelled after made.



For patterns of Wire Work see page 57.



We are prepared to submit special designs with quotations upon receipt of a rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.

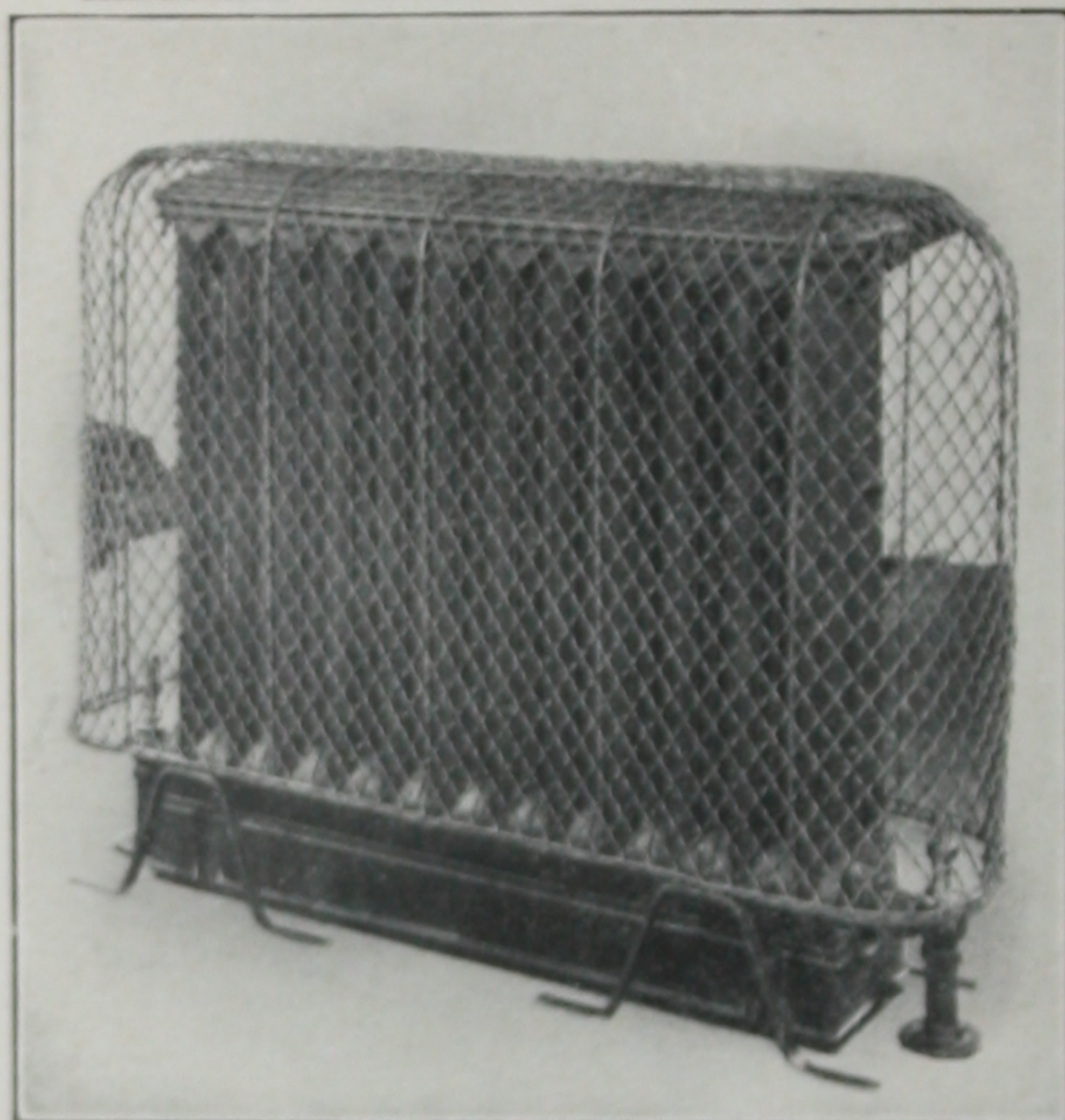
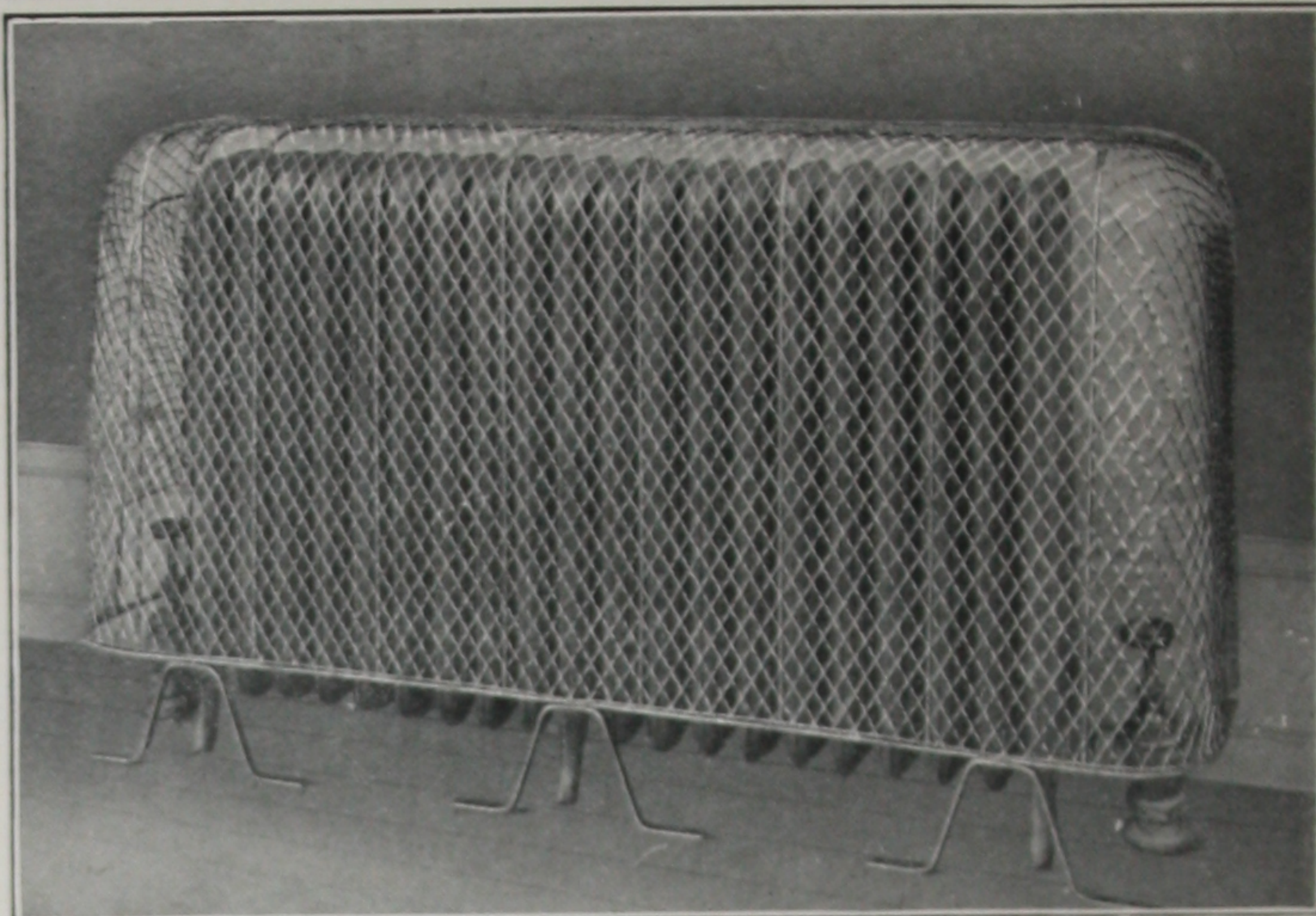


# Guards for Radiators

Also for STEAM and  
HOT WATER PIPES

Made from Steel Wire.

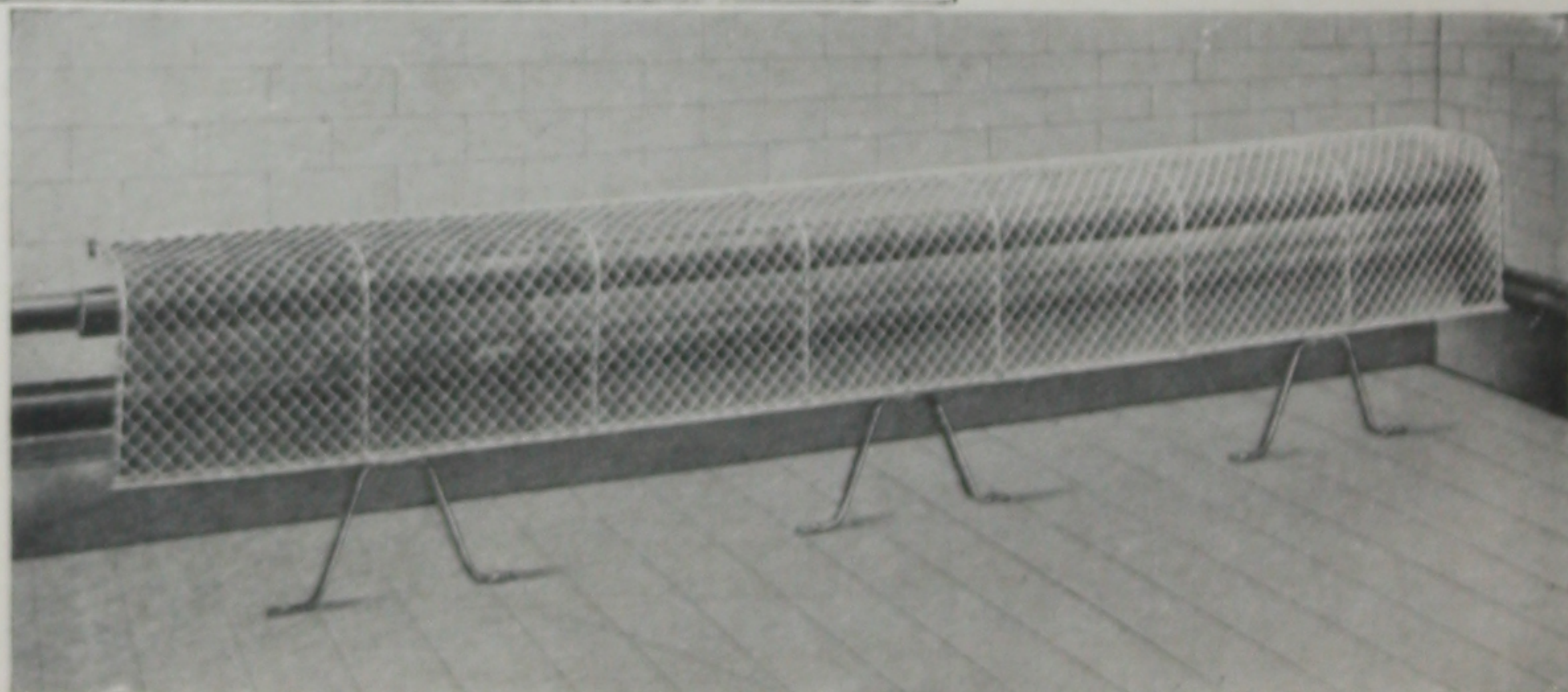
Galvanized or Enamelled after made.



Illustrations give examples of guards which we are constantly making in large quantities for Factories and Public Institutions.



Made in Diamond Mesh Pattern, No. 411 illustrated on pages 34 and 57. We are prepared to submit special designs with quotations upon receipt of a rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.





## Lantern Light Well Protection

Made from Steel Wire or other wire work as shown on page 57.  
In lengths to suit required conditions.



This example is made from No. 10 I.W.G. Steel Wire, Bronze Finish,  
with 1in. Brass Standards.



We are prepared to submit special designs with quotations upon receipt of rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix.

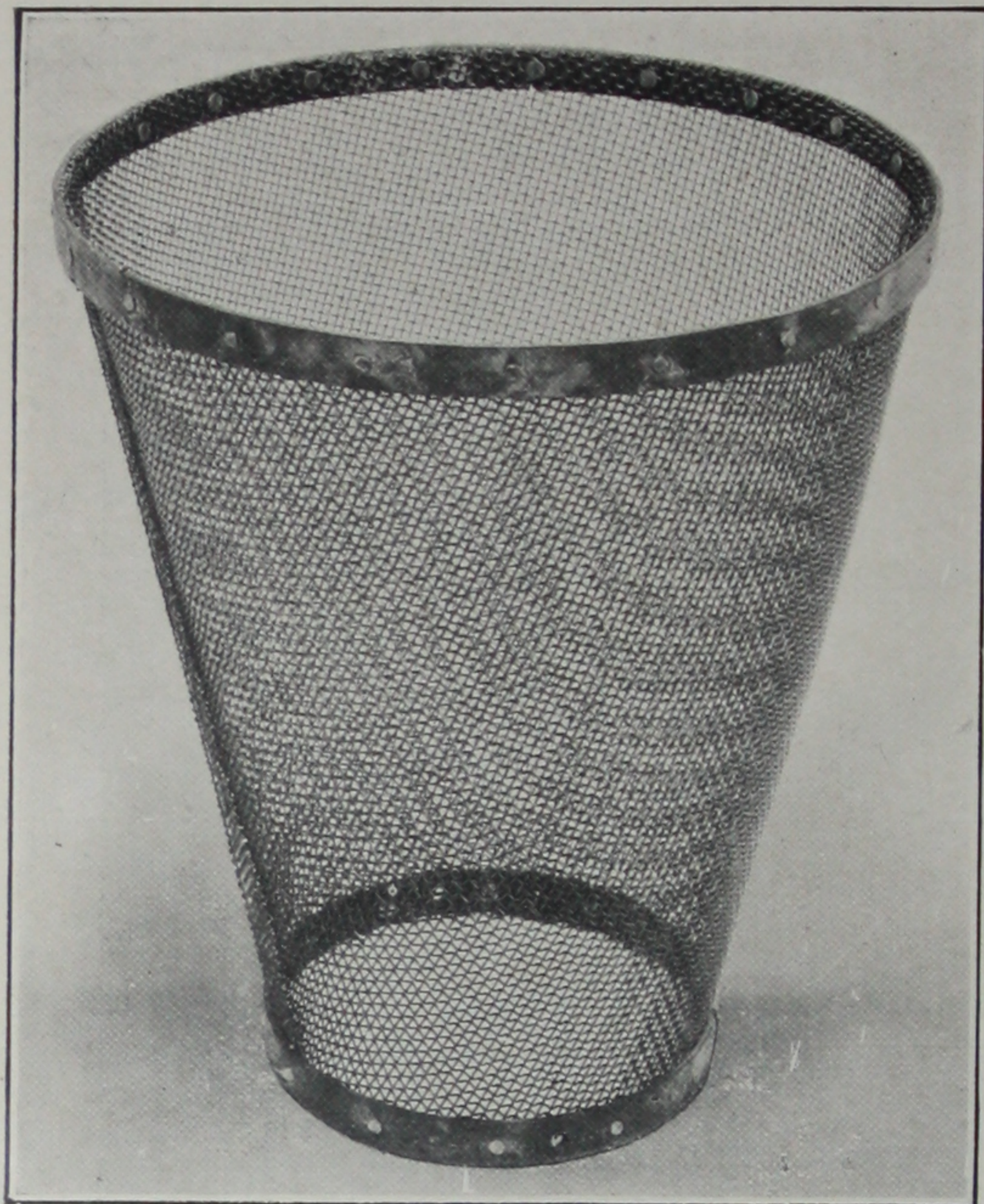


We also manufacture to the special designs of Architects and others.

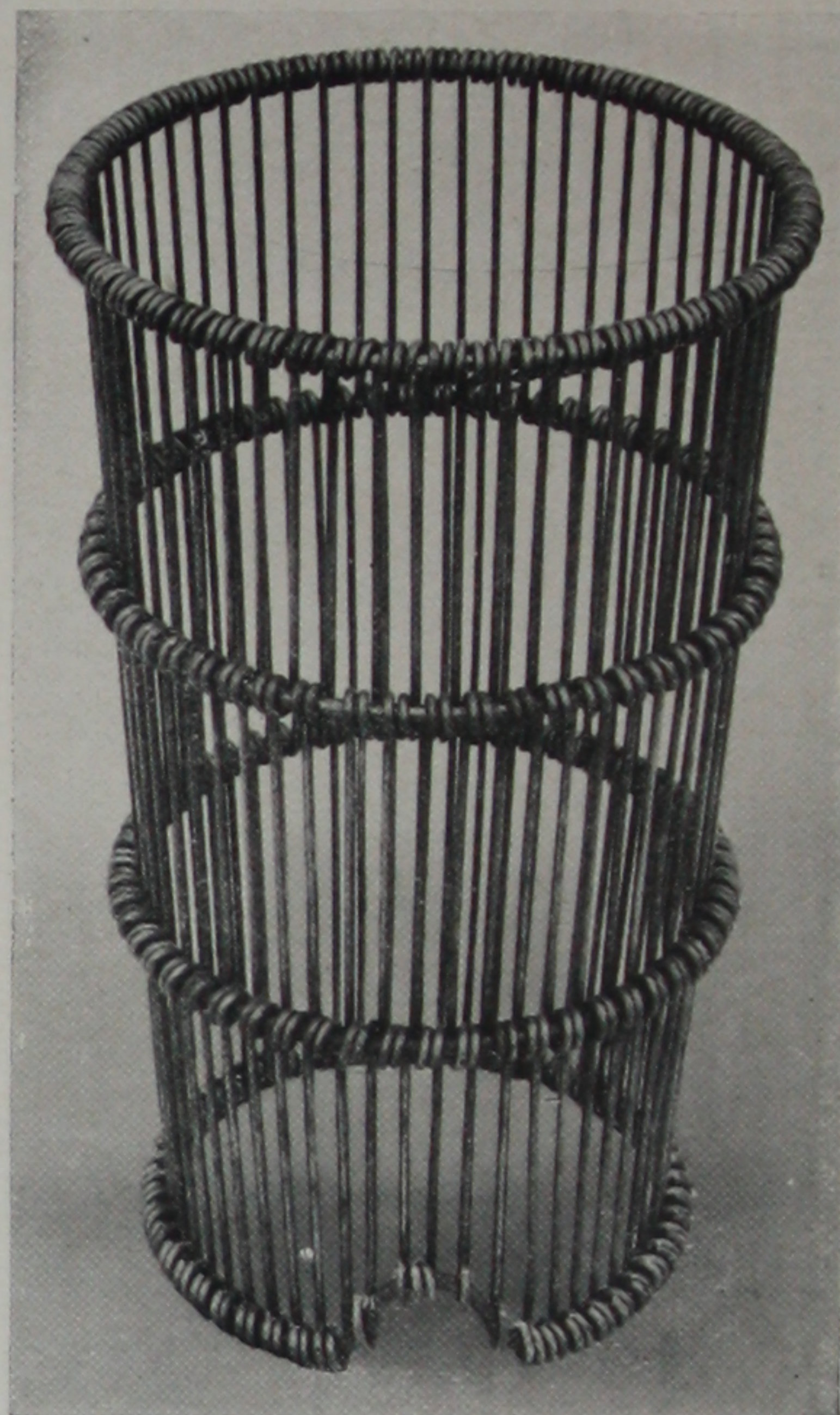


## Locomotive Spark Arrestors

OF EVERY DESCRIPTION.



Example of Woven Wire Spark Arrestor  
with Welded rings.

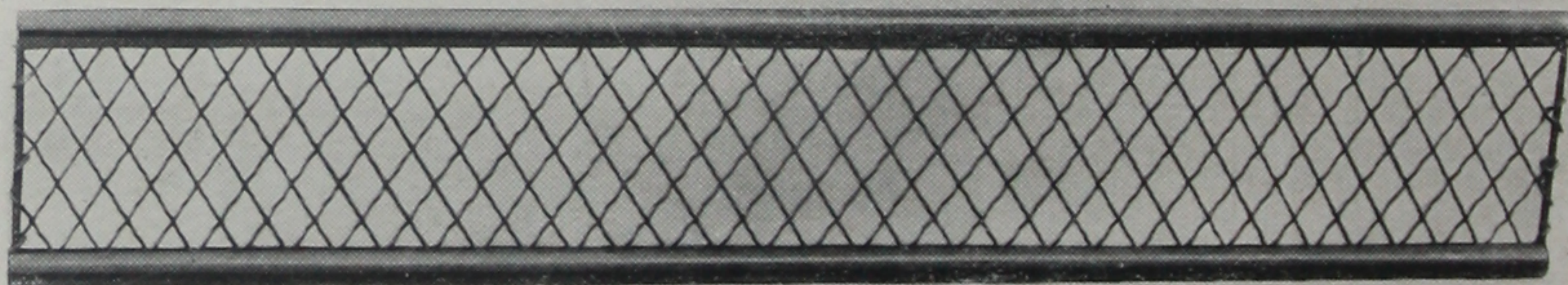


Example of strong Looped Wire  
Spark Arrestor with welded rings.

We also manufacture and supply in Rolls or Sheets Woven Wire for Spark Arrestors  
of all types.

---

## Wire Mesh Nip Guard

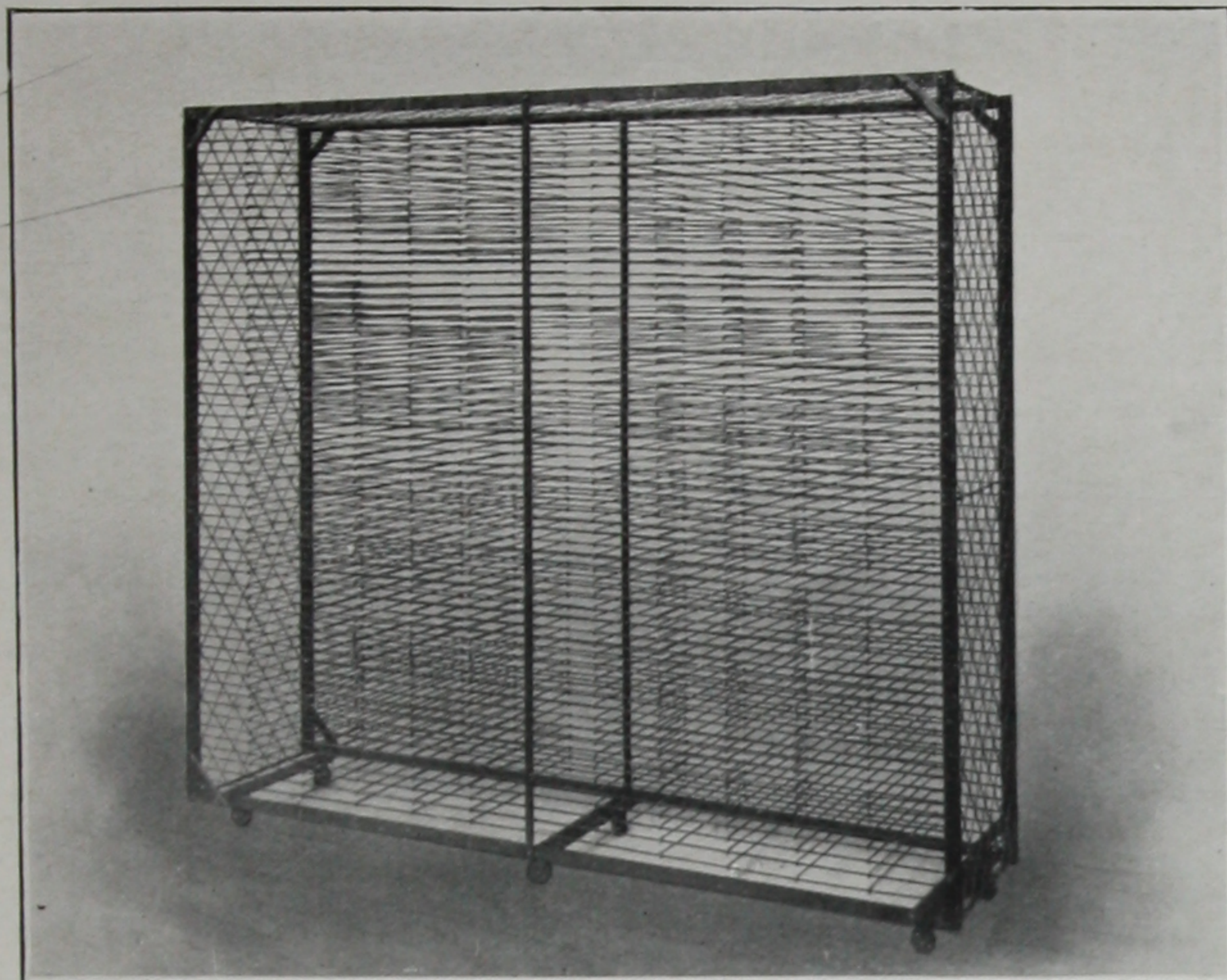


*With beaded top and bottom edge to prevent the cloth catching, as used on Calender Rolls  
and Machines of similar type.*

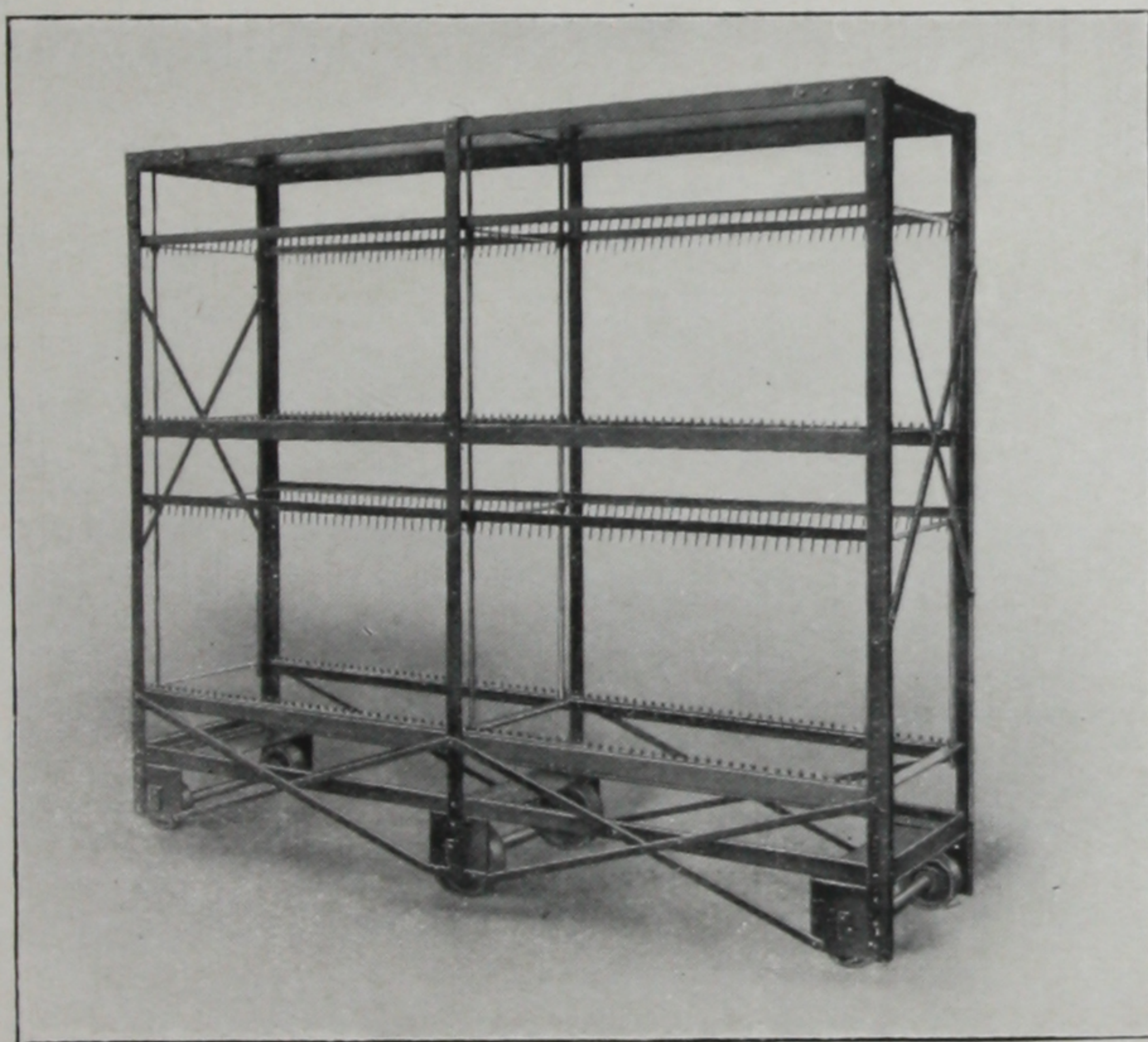


## Drying Racks

FOR PLATE ENAMELLERS AND OTHER INDUSTRIES.



Divisions constructed from wire work mounted on strong iron frame with wheels or runners.

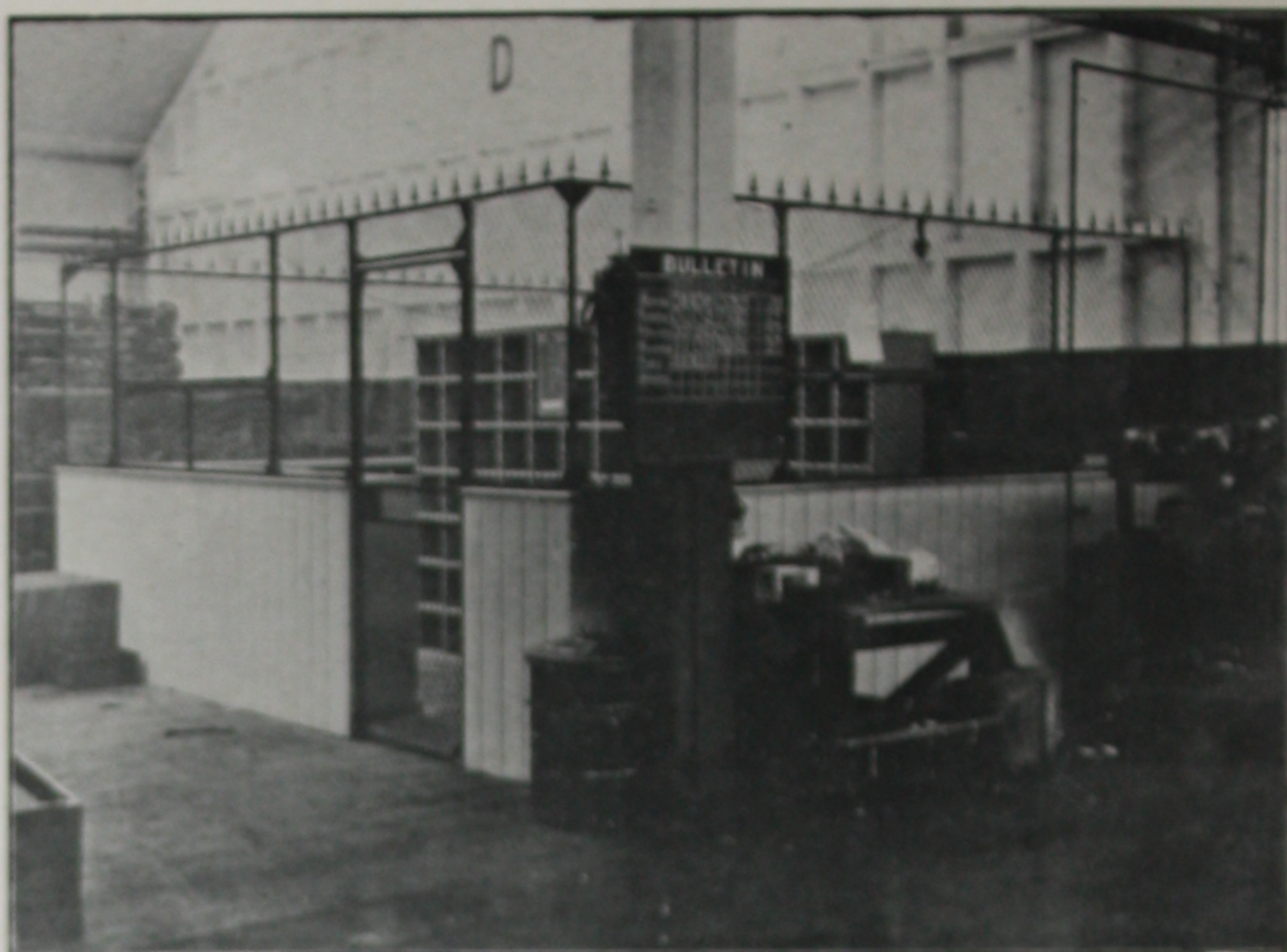


Iron frame construction with divisions formed by suitably pitched pegs

*We are prepared to submit special designs with quotations for light iron construction of every description.*



## Wire Partitions



Plain, Galvanized, or Enamelled, suitable for divisions in Factories, Workshops, Tool Rooms, Stores, etc.

Diamond Mesh Partitions.

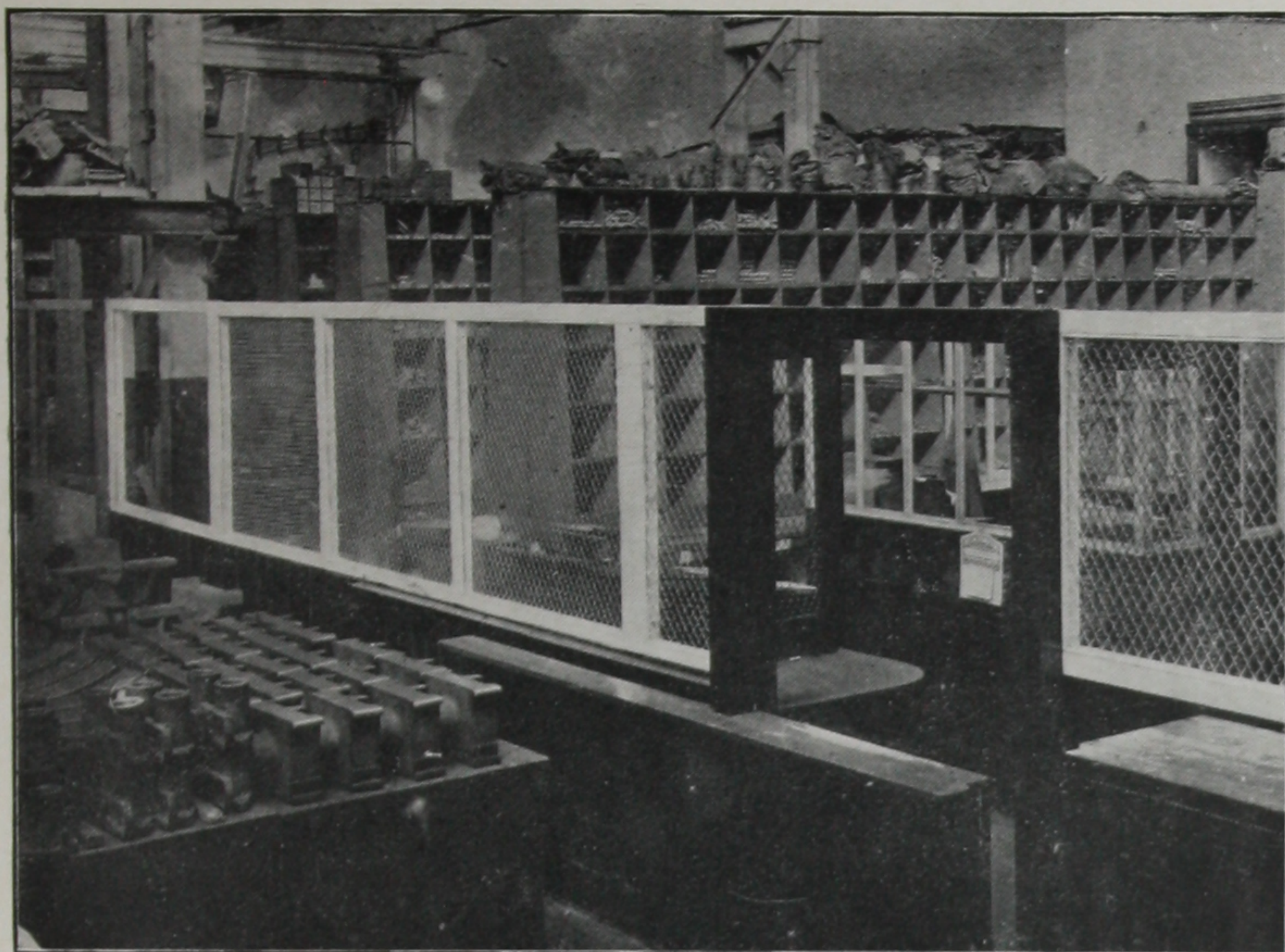
Pattern of Wire Work No. 411.

Supplied in Panels in any mesh and gauge to dimensions required.





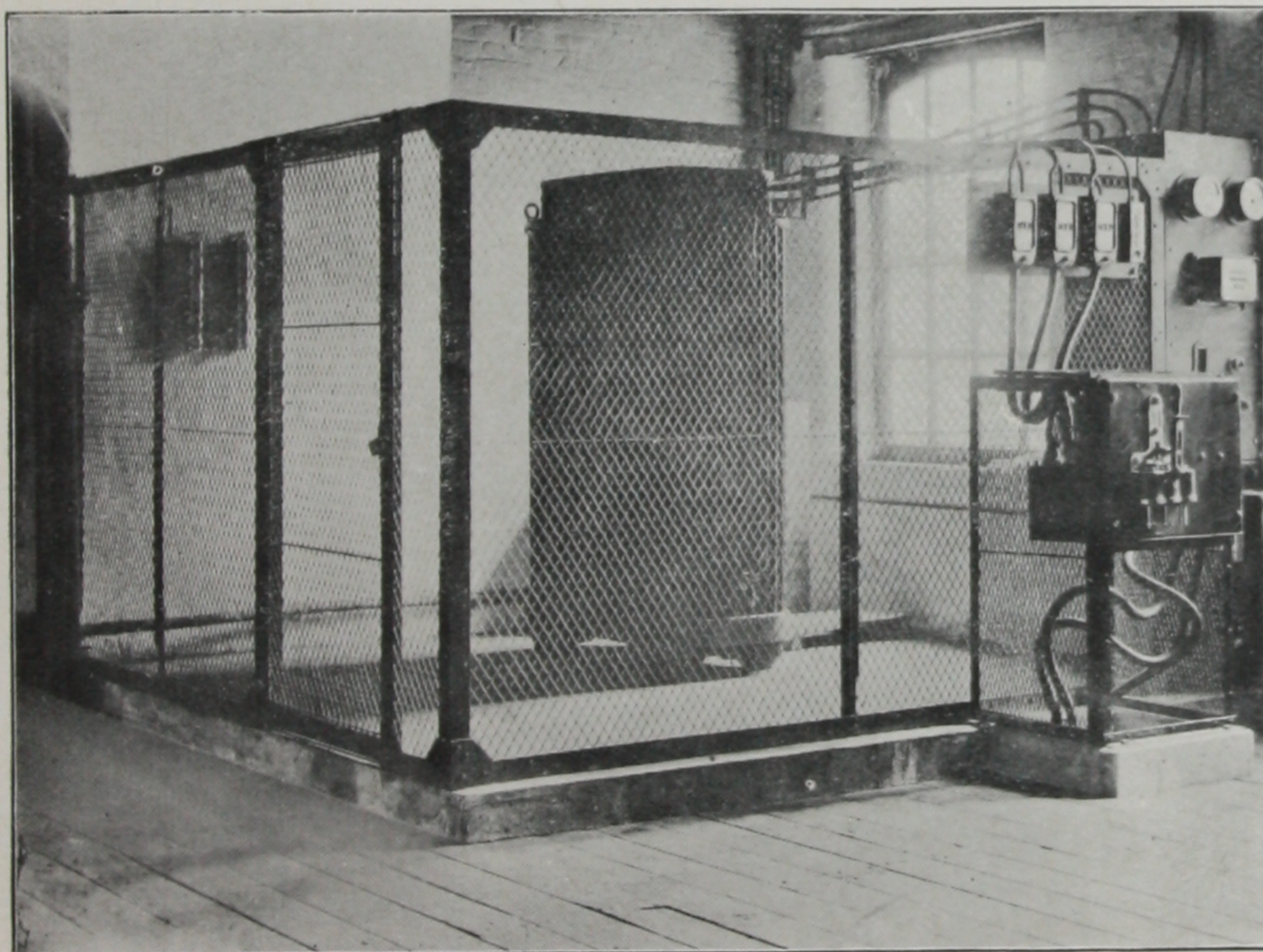
## Wire Partitions



## Switch Board Enclosures

Made from Steel Wire.

Galvanized after made.

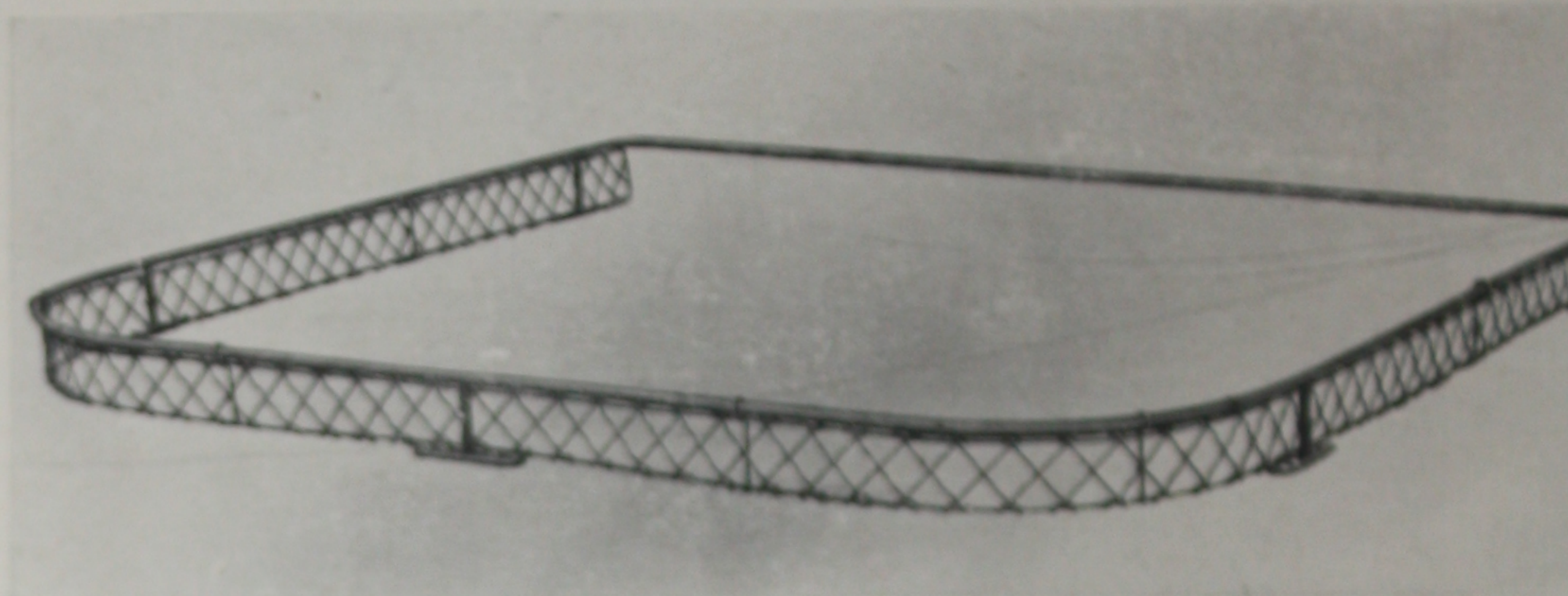


Designed to meet the requirements of the various Corporation and Government  
Bye-Laws and Regulations.



## Luggage and Parcel Guards

FOR MOTOR BROUGHAMS, TAXI-CABS, &c.  
Made from Diamond Mesh Wire with Strong Steel Frame.



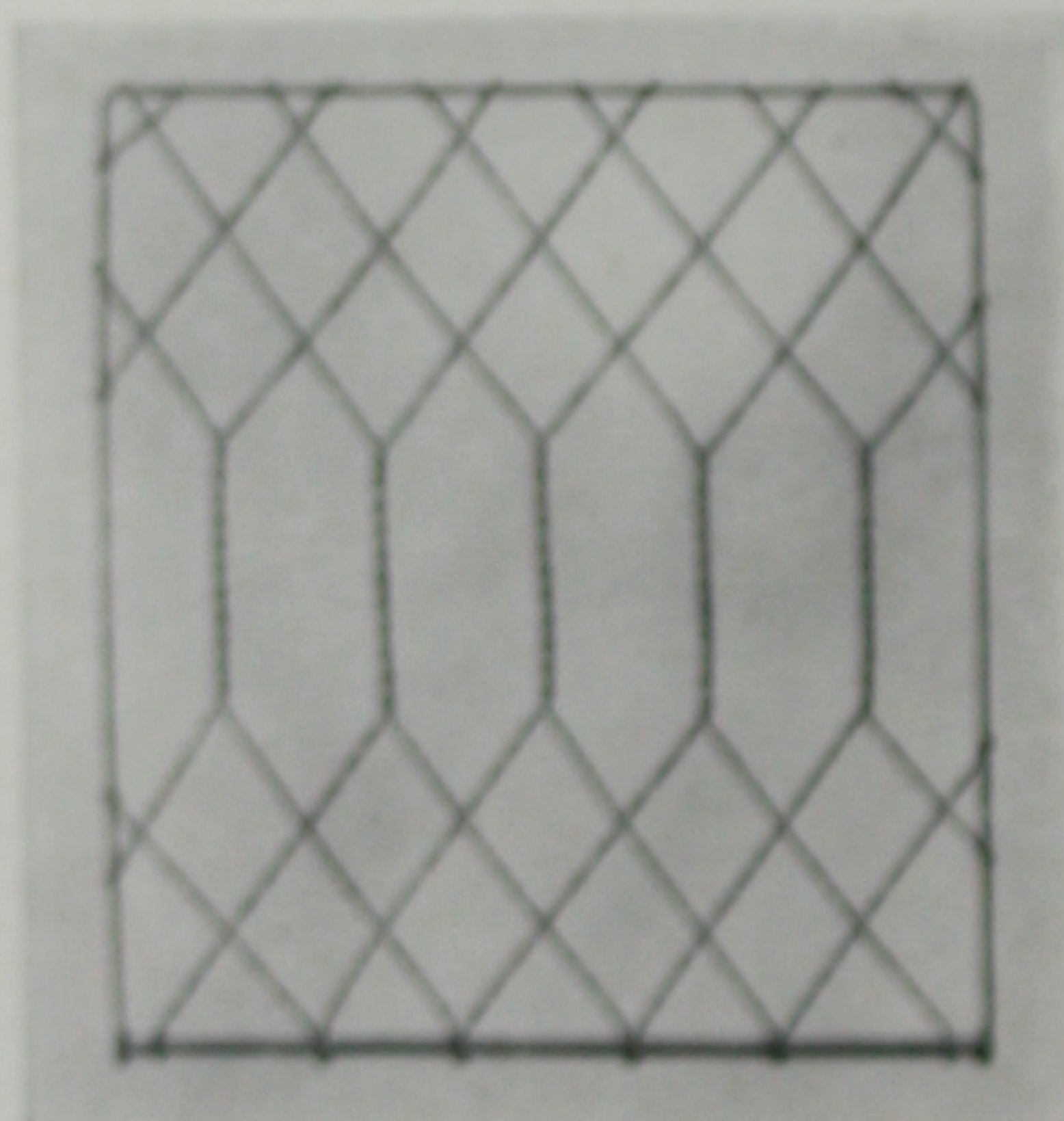
We specialize in all forms of wire work for the Motor Car Industry, including above guards and luggage tail carriers of every description.

Estimates supplied on receipt of details.

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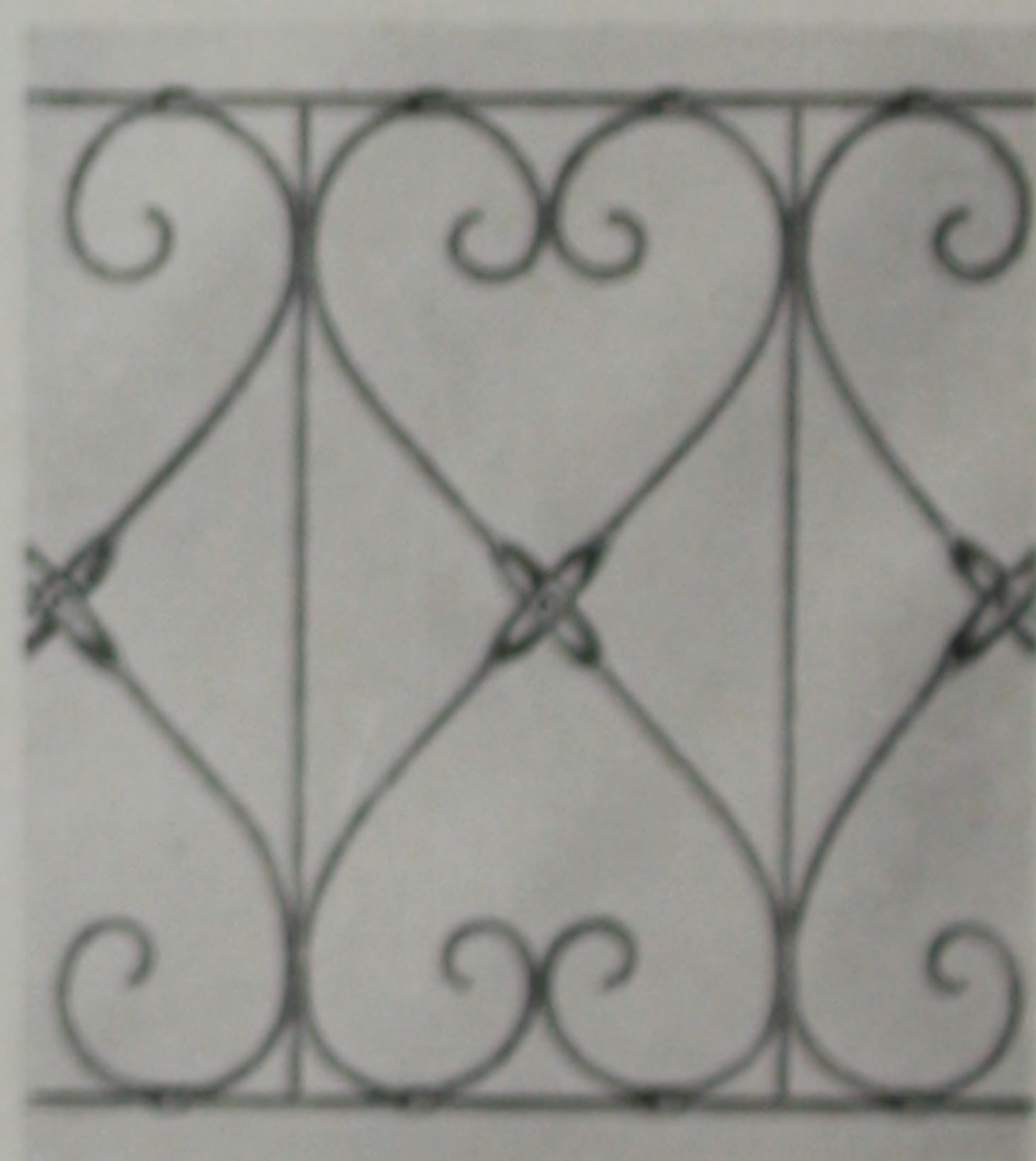
### Wire Panels for Ships' Deck Rails

Made from heavy gauge steel wire.  
Galvanized after made.



### Grille for Electric Cars, Etc.

In Flat Iron Work.

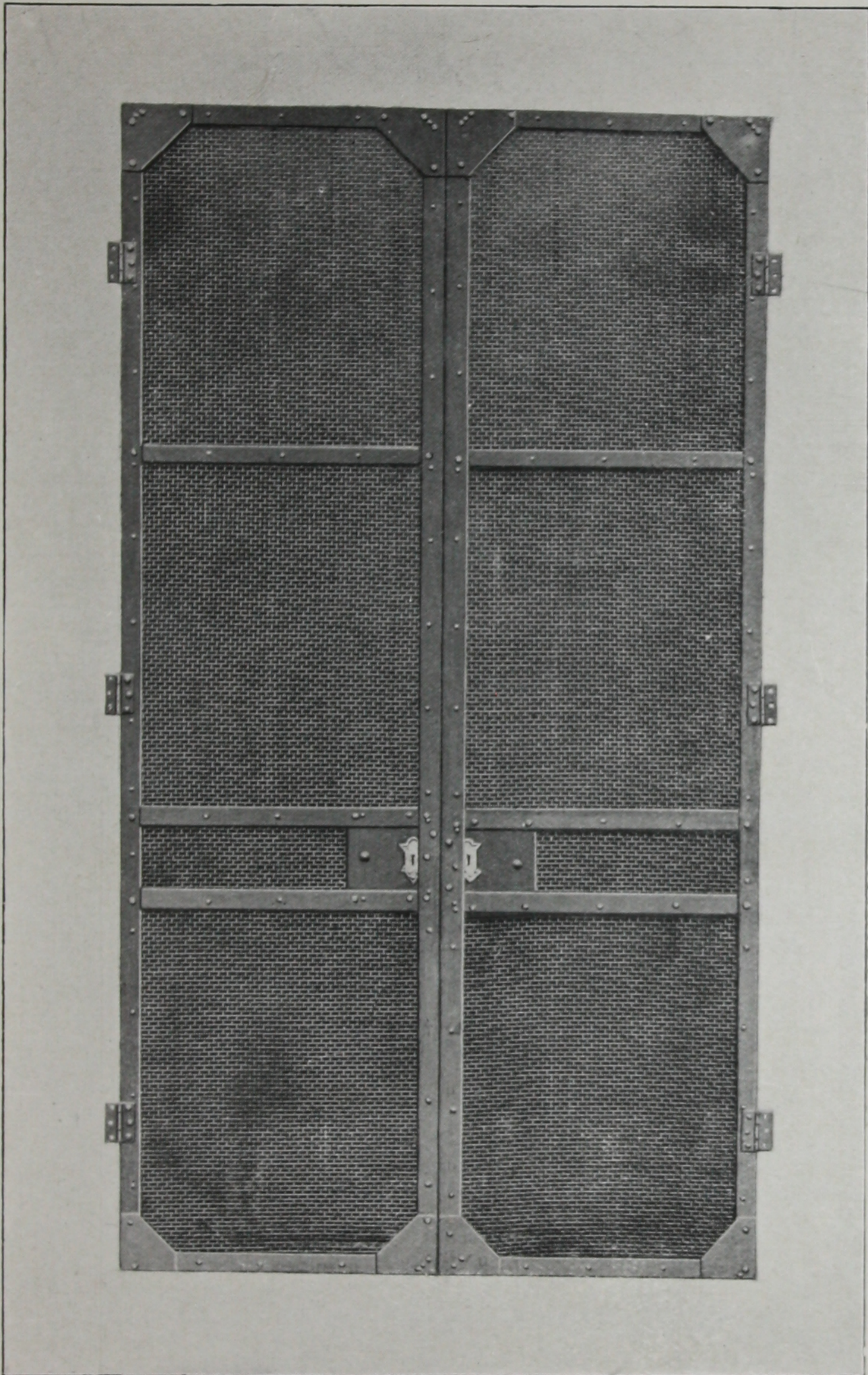


The above illustrations show standard designs for which quotations will be sent upon receipt of quantities required, and for other forms upon receipt of drawings.



## Doors

Made from Woven Steel Wire with strong Iron Frames for Electrical Transforming Plant, High Tension Panels, Etc.



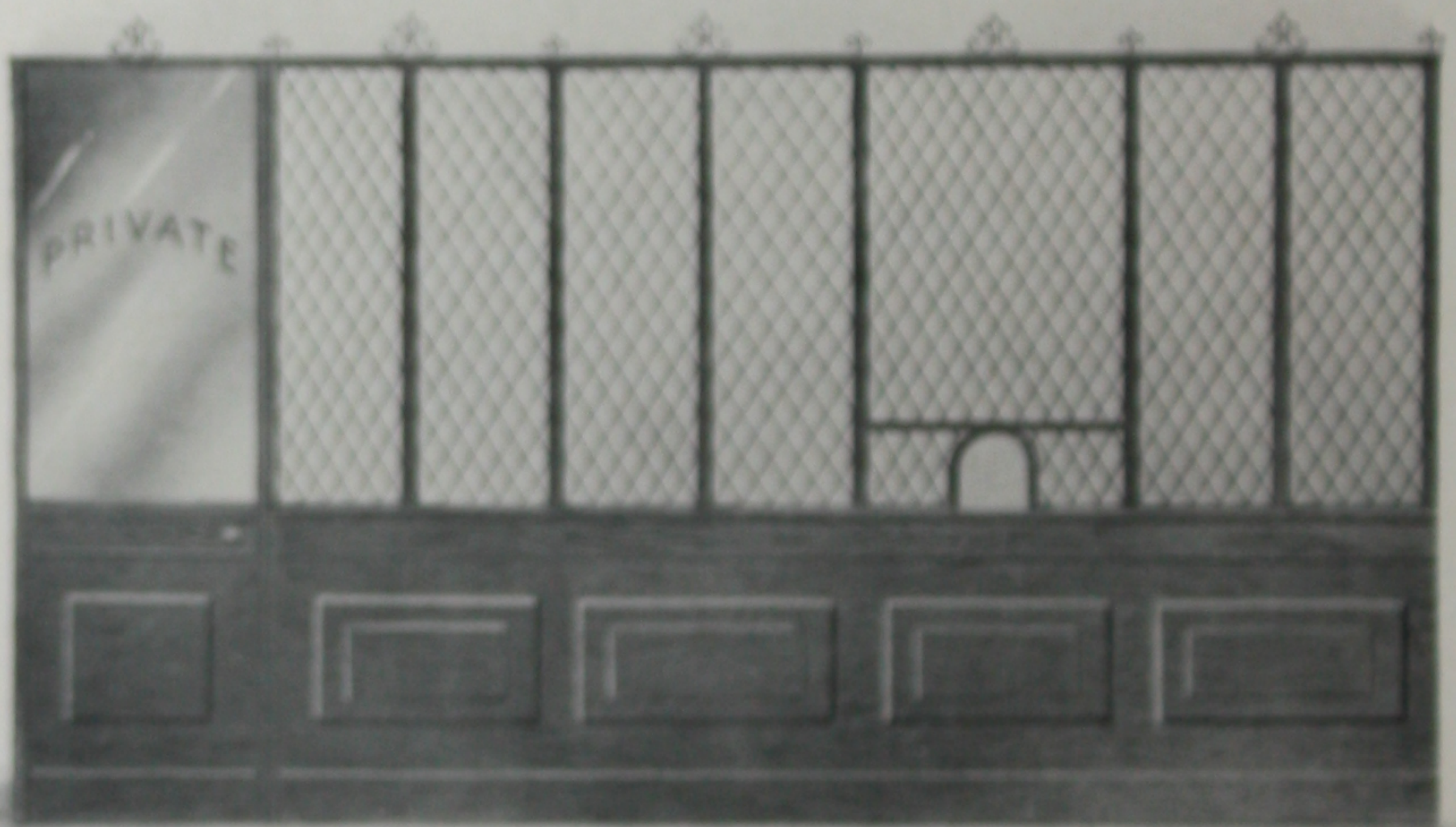
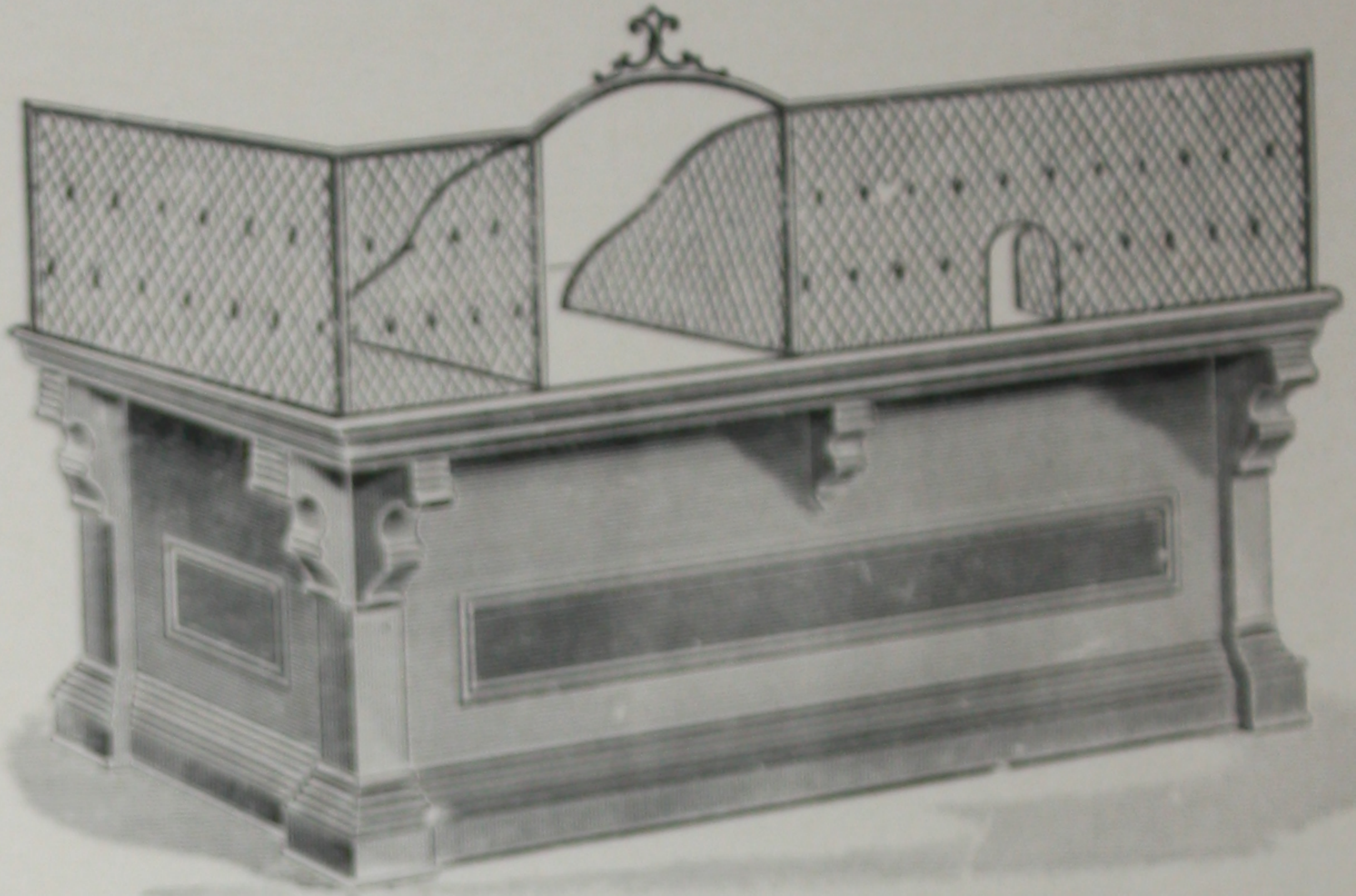
We manufacture a large range of Iron Doors as above, also in Diamond Mesh Wire Work, No. 411, as shown on page 57.



## Counter Guards

MADE FROM BRASS, GALVANIZED OR TINNED WIRE.

Mounted on suitable frames.



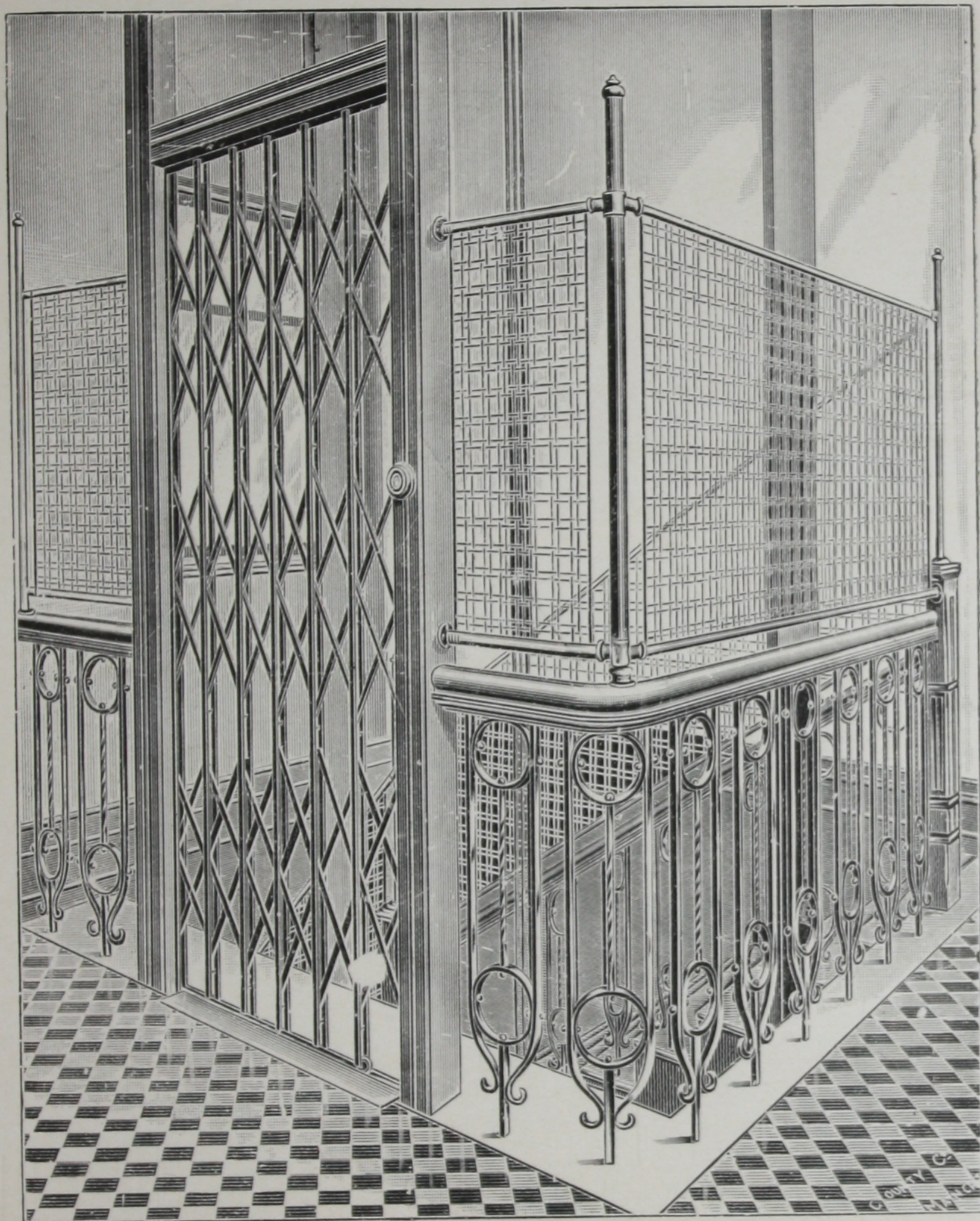
We are prepared to submit special designs with quotations upon receipt of a rough sketch giving measurements, and, if desired, send skilled workmen to erect and fix.



## Hoist and Staircase Guards

MADE FROM ROUND, SQUARE, OR FLAT STEEL WIRE.

Galvanized or Enamelled after made.



We are prepared to submit special designs with quotations upon receipt of a rough sketch giving measurements of the parts for which the guards are required, and, if desired, send skilled workmen to erect and fix. We also manufacture to the special designs of Architects and others.

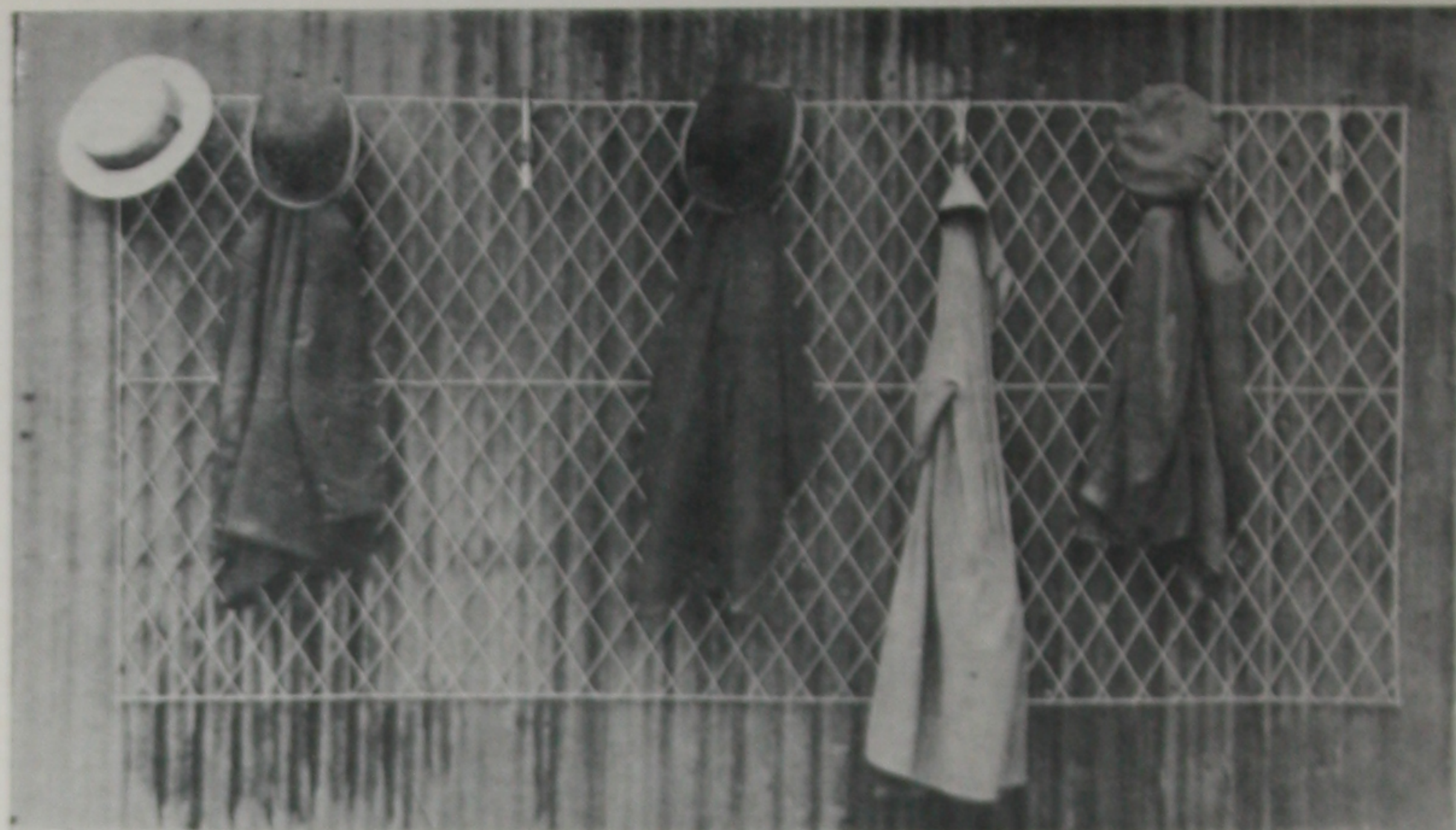
For patterns of Wire Work see page 57.



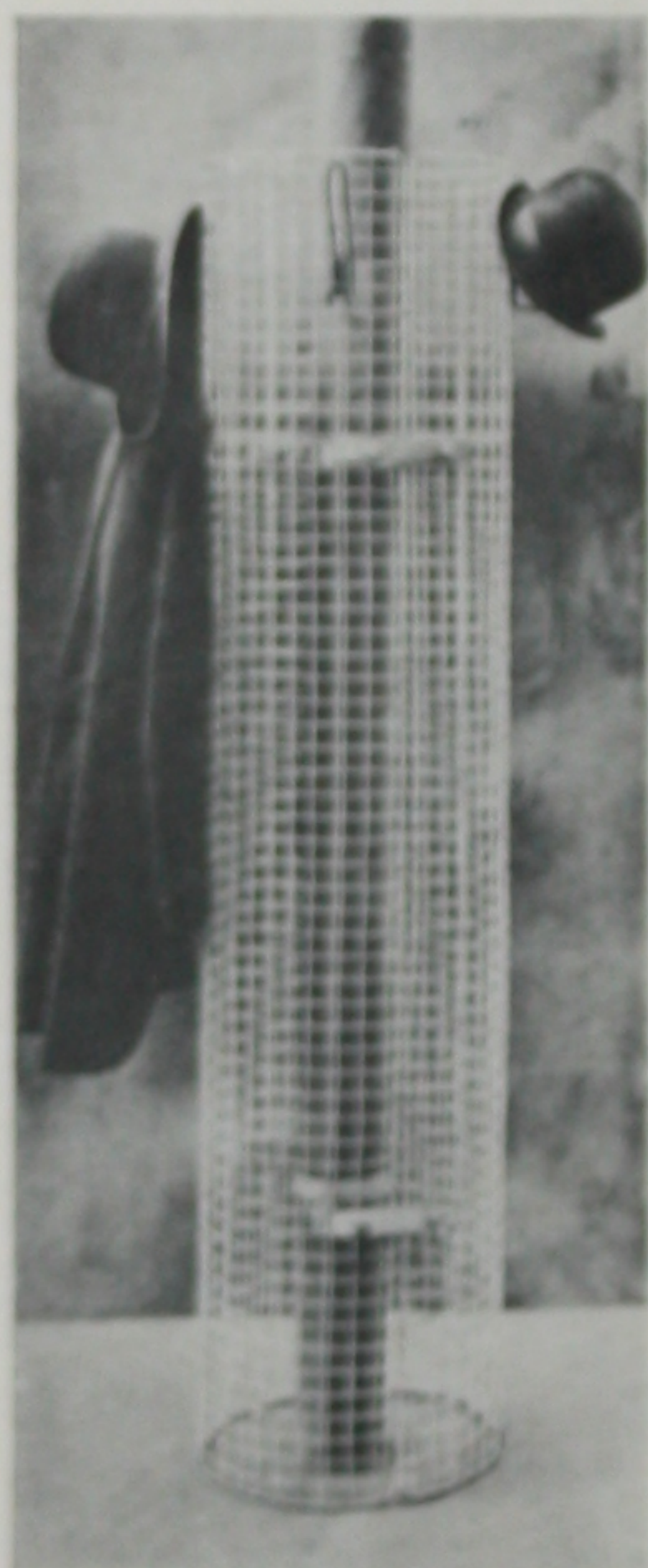
## Coat and Hat Racks

MANUFACTURED FROM HIGH GRADE STEEL WIRE.

Strongly Galvanized after made.



Wall Pattern in Diamond Mesh Pattern.



Pillar Hat and Coat Rack.

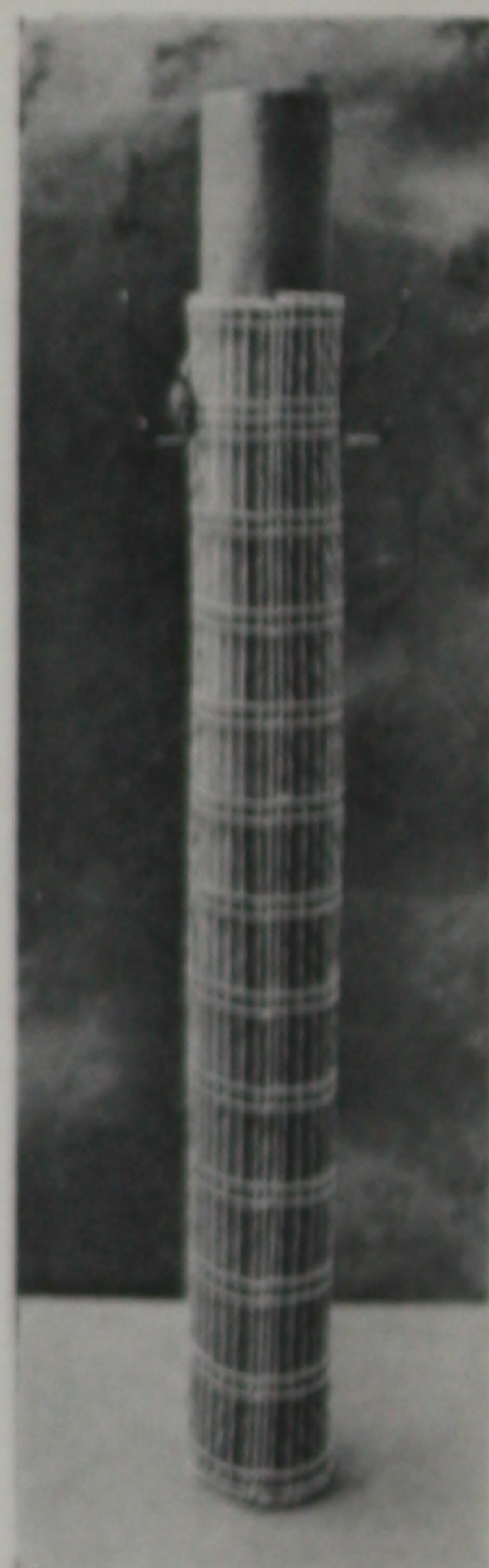
*REGULATION 10.*

*ORDER 1259.*

*In force April 1st, 1912.*

10. In every *humid shed* erected after 2nd February, 1898, sufficient and suitable cloak-room or cloak-rooms shall be provided for all persons employed therein, and shall be ventilated and kept at a suitable temperature

In every *humid shed* and *dry shed* to which the above provision does not apply and in which a suitable cloak-room is not provided, suitable and sufficient accommodation within the shed shall be provided for the clothing of all persons employed within a reasonable distance of the place of employment and consisting of a sufficient number of pegs, not less than one for each person employed and not less than eighteen inches apart, and of a covering of suitable non-conducting material spaced not less than half an inch from the wall or pillar and so arranged that no moisture either from above, or from the wall or pillar, can reach the clothing.

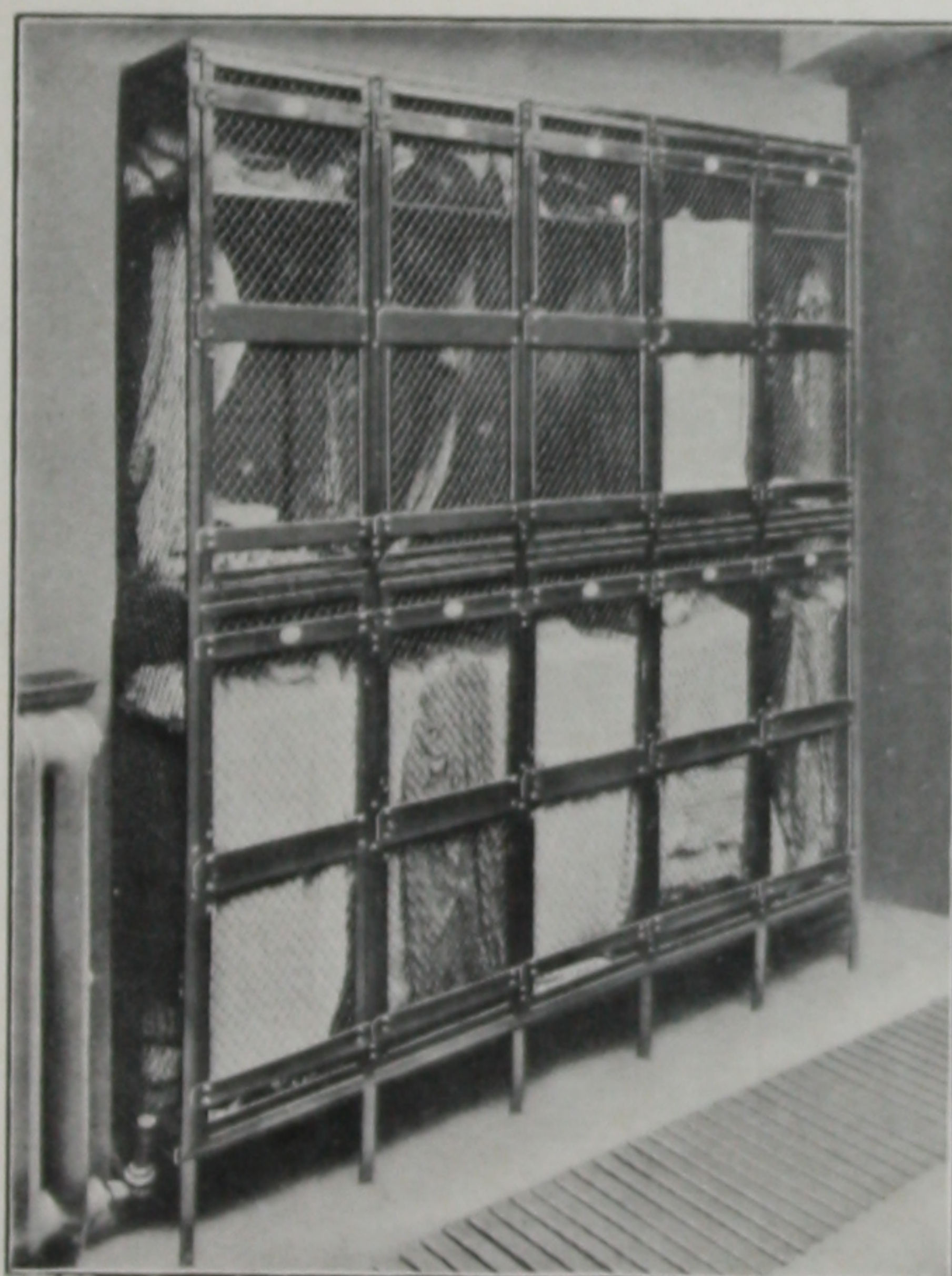


Pillar Hat and Coat Rack.

Special Panels, Hat and Coat Racks, etc., designed to meet the requirements of the new regulations.



## Wire Work Lockers



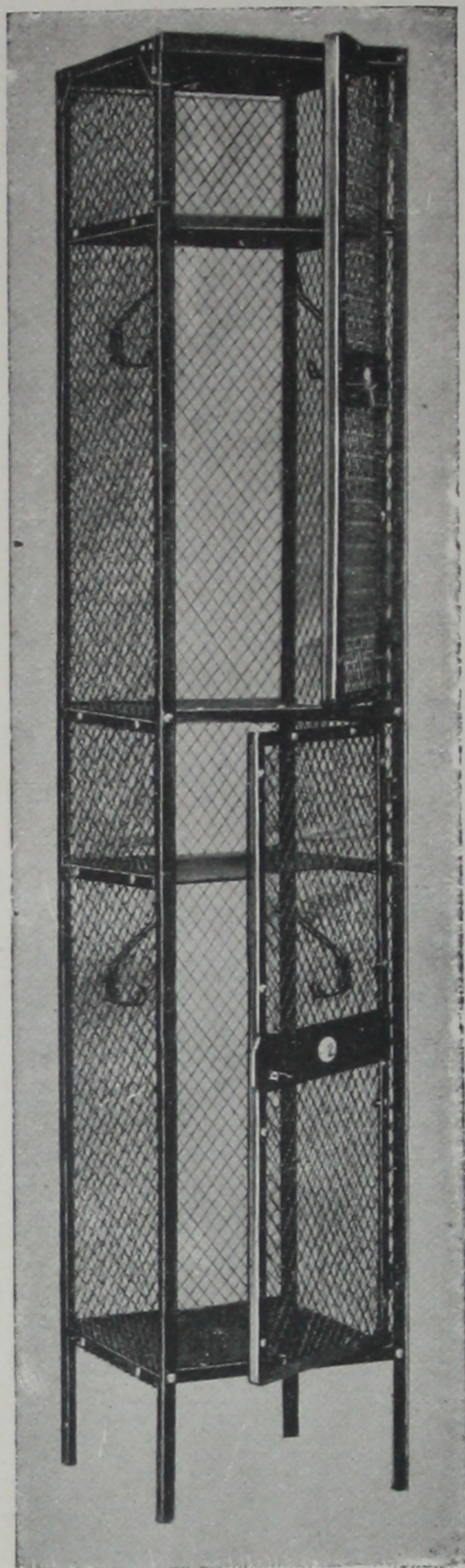
We manufacture a large range of strong Wire Work Lockers to suit the various conditions met with in Works and Public Institutions of every description. All our Lockers are made with strong angle iron frames, panelled with wire work of suitable mesh and gauge, and are fitted with shelves, pegs, locks and number plates as required.

Upon receipt of particulars, estimates will be sent with drawings showing scheme of arrangement.



## Wire Work Lockers

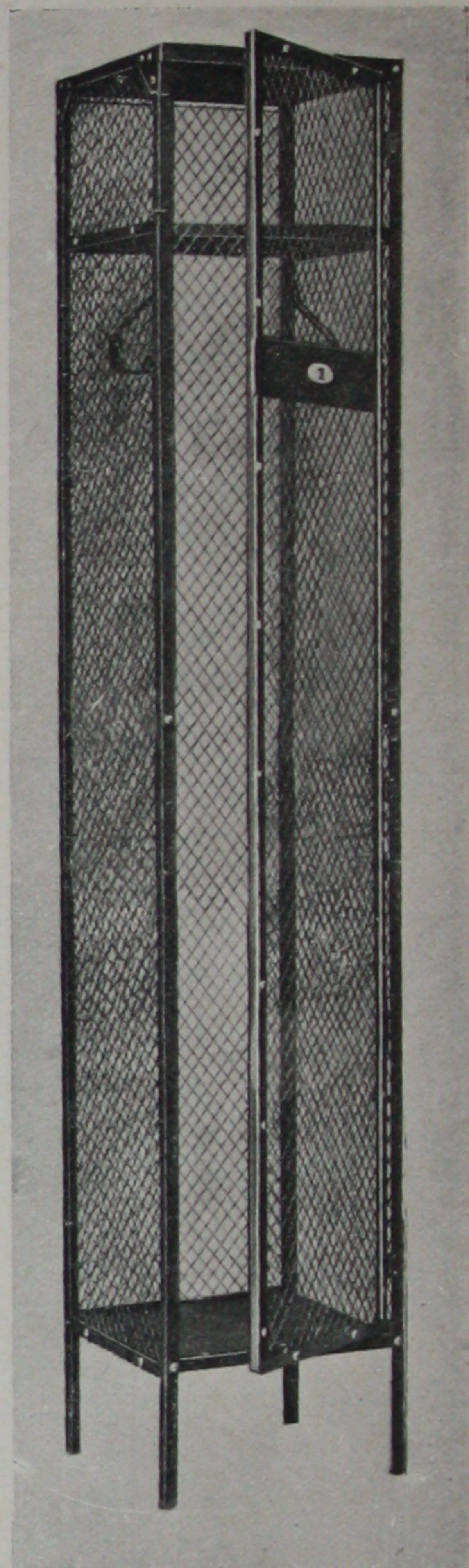
BLACK JAPANNED OR ENAMELLED IN COLOURS.



**DOUBLE LOCKER in ONE UNIT**

Height 6 feet, depth 12 inches,  
width 12 inches.

Fitted with shelves, coat hooks, number plates and locks as required. Supplied in any number of single units or in nests as shown on page 47.



**SINGLE LOCKER UNIT**

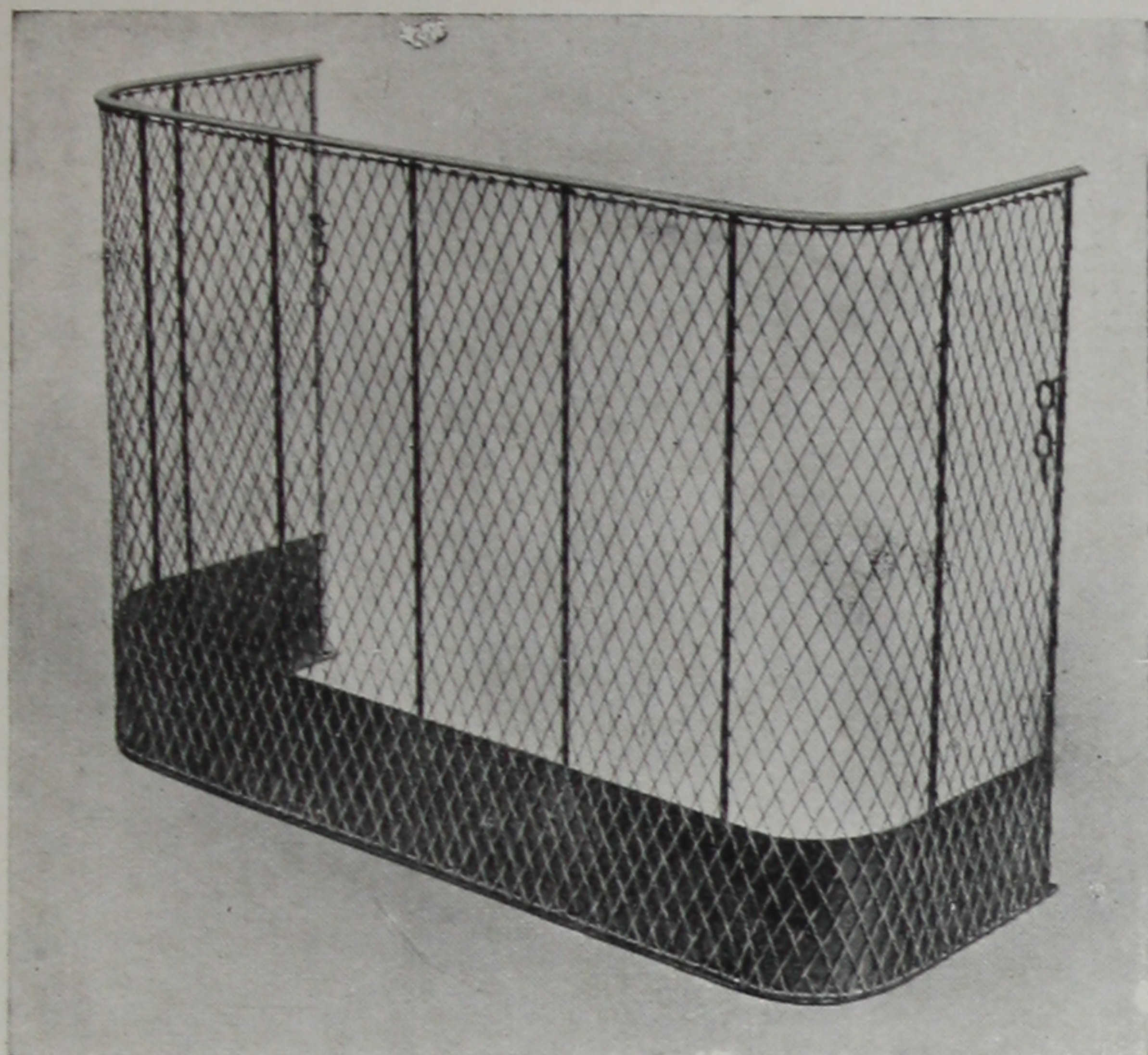
Height 6 feet, depth 12 inches,  
width 12 inches.

Fitted with shelves, coat hooks, number plates and locks as required. Supplied in any number of single units or in nests.

Upon receipt of particulars, estimates will be sent with drawings showing scheme of arrangement.

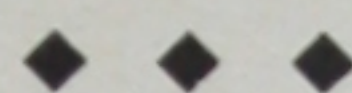


## Fire Guards of Every Description



We manufacture a complete range of Fire Guards, particulars of which are given in our New Fire Guard List. This embodies illustrations of every known type of Fire Guard.

*Write for Copy.*



### Strong Fire Guard

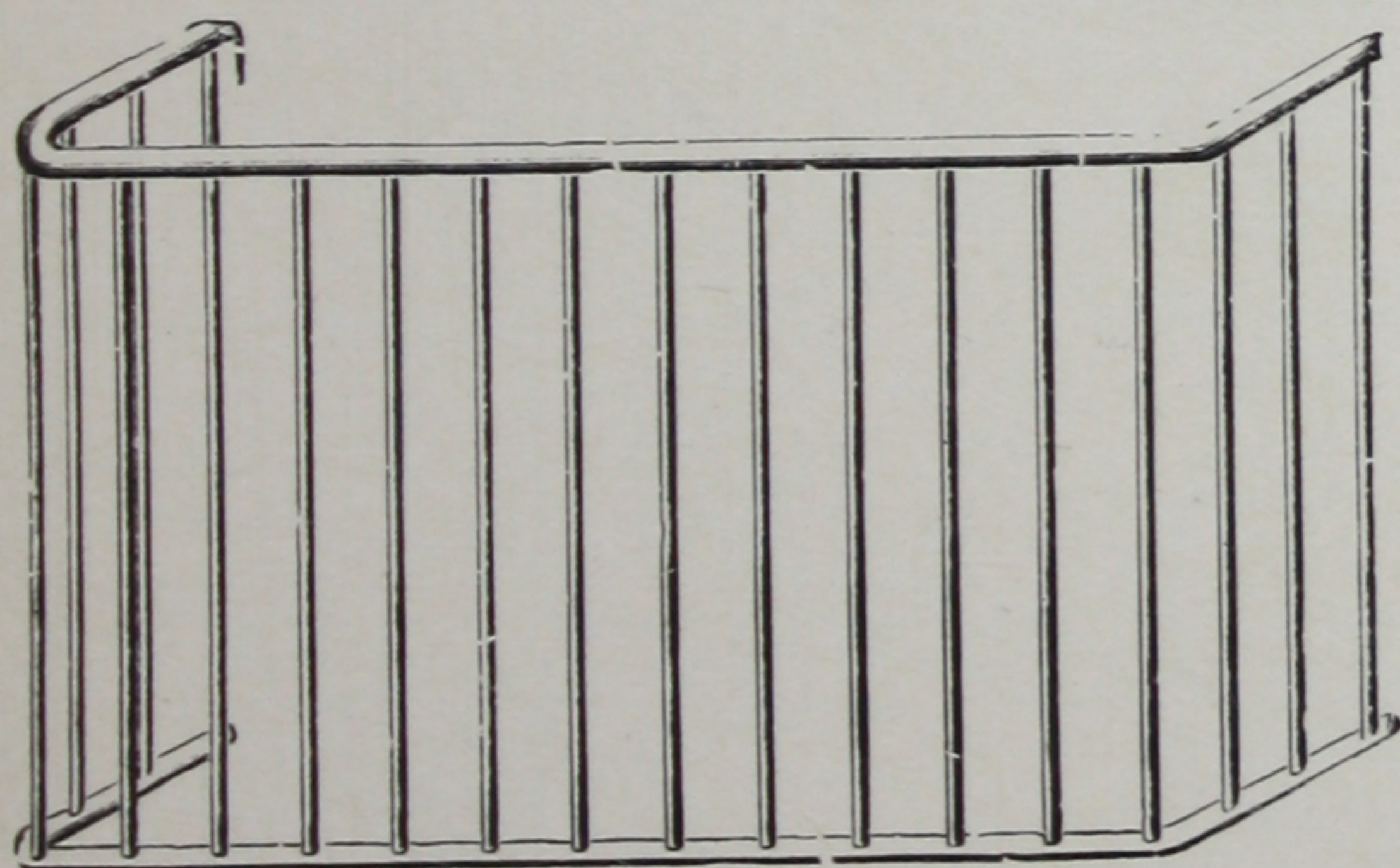
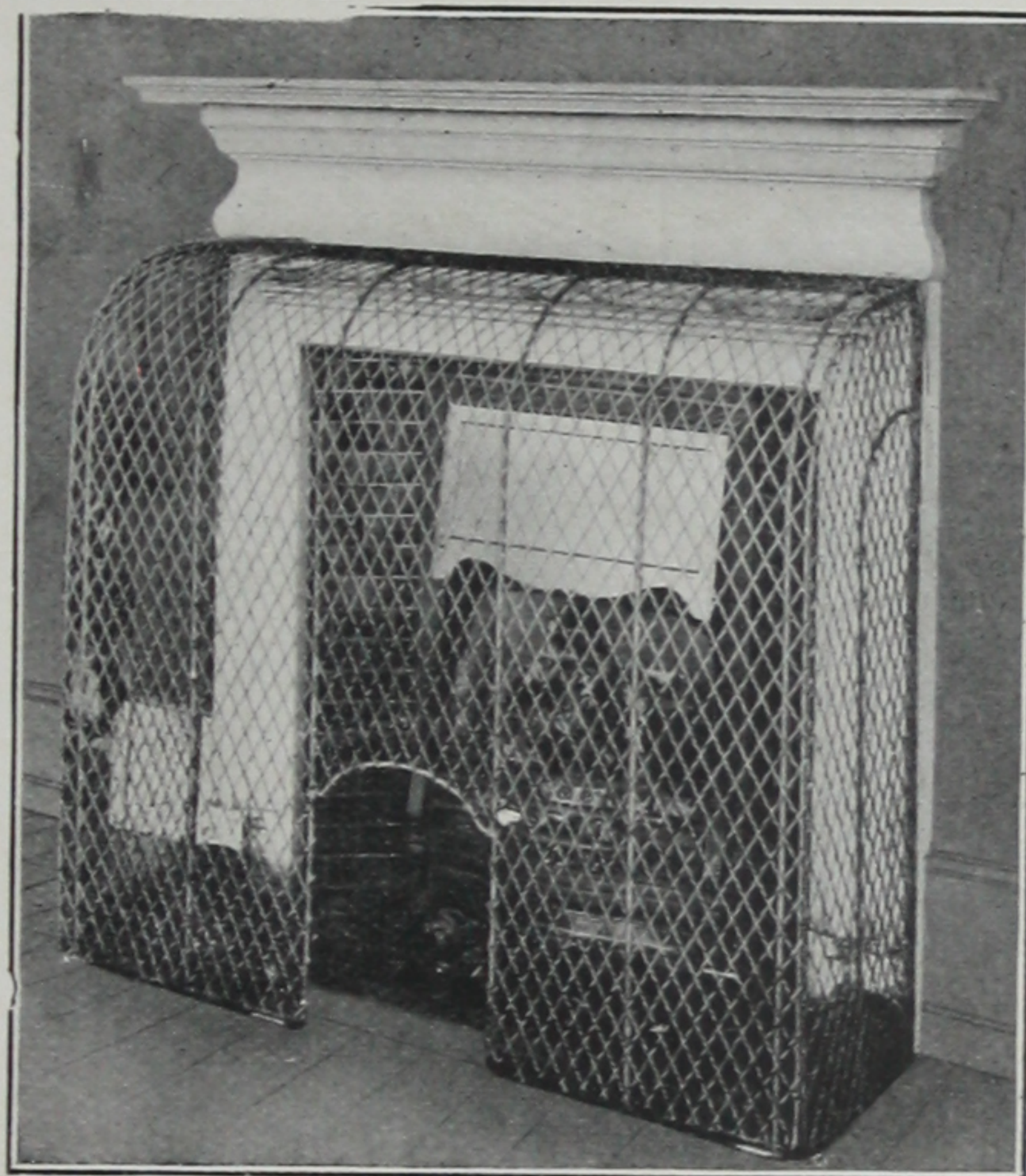
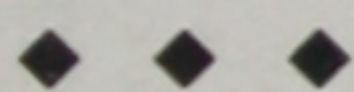
With Plain or Brass  
Top Rail and  
Kicking Plate.



### Safety Fire Guard

With Enclosed Top, for  
Asylums, Institutions, etc.

Made to any specification.

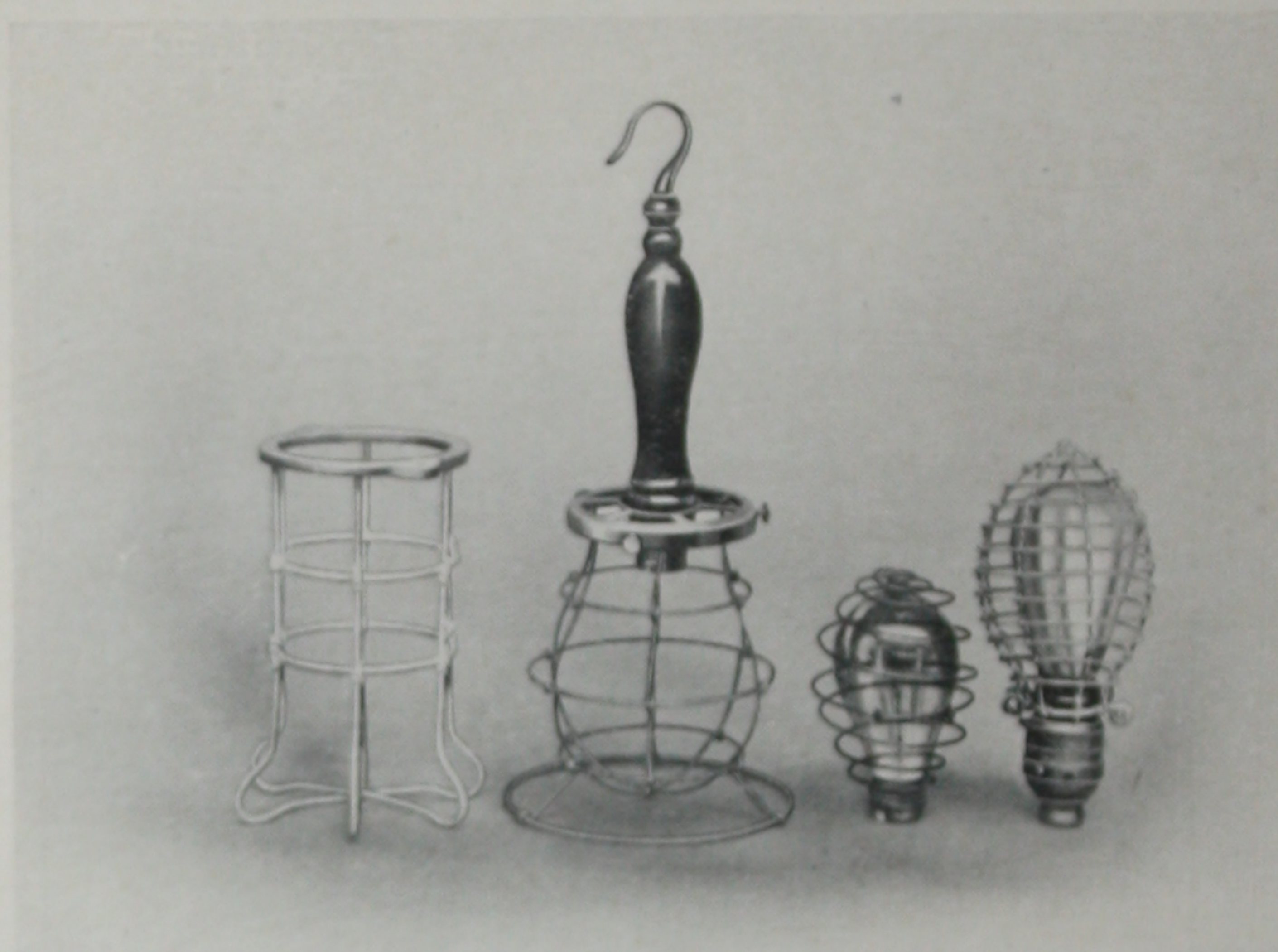
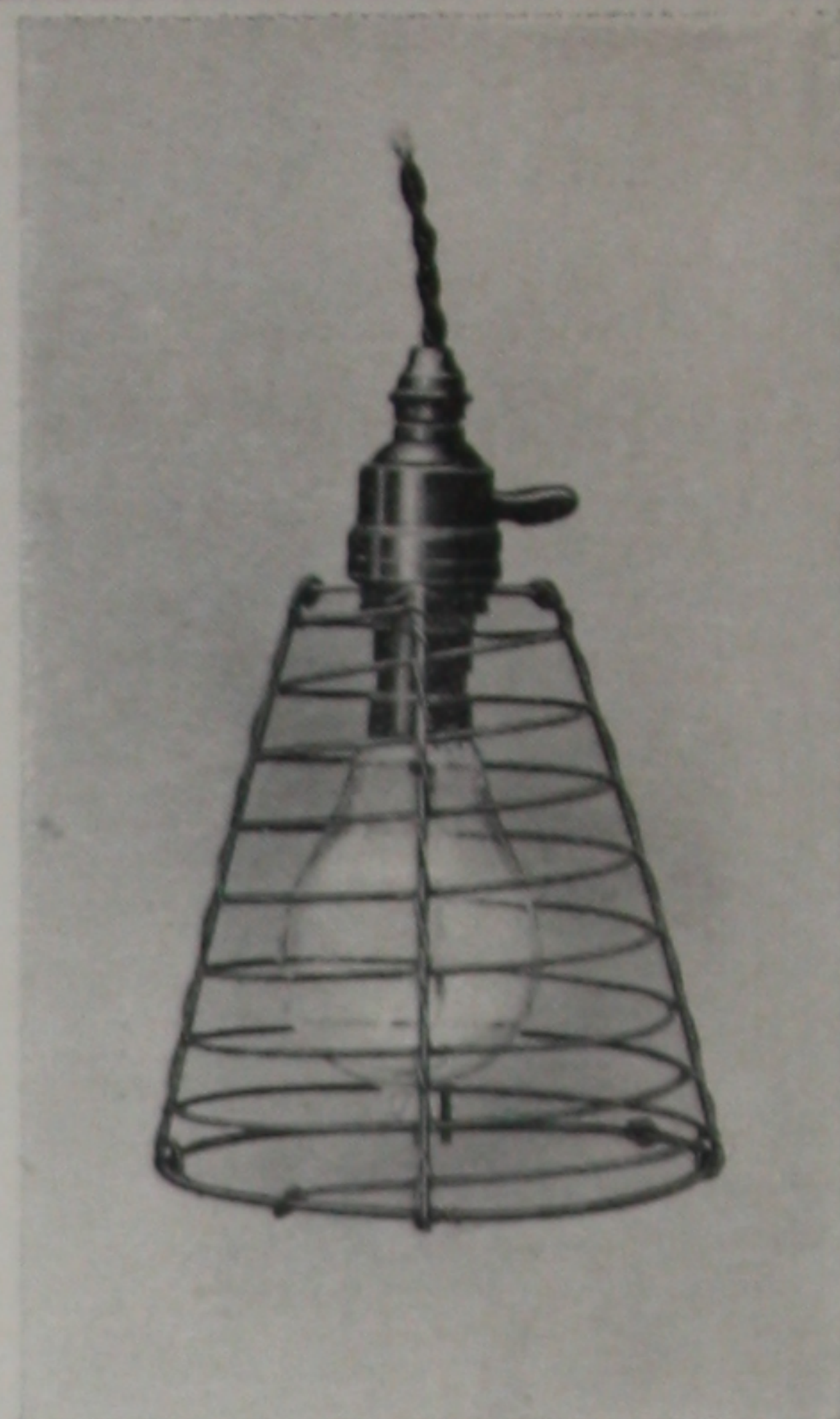


### Strong Fire Guard

For Schools,  
Railway Stations, etc.

Made to any specification.





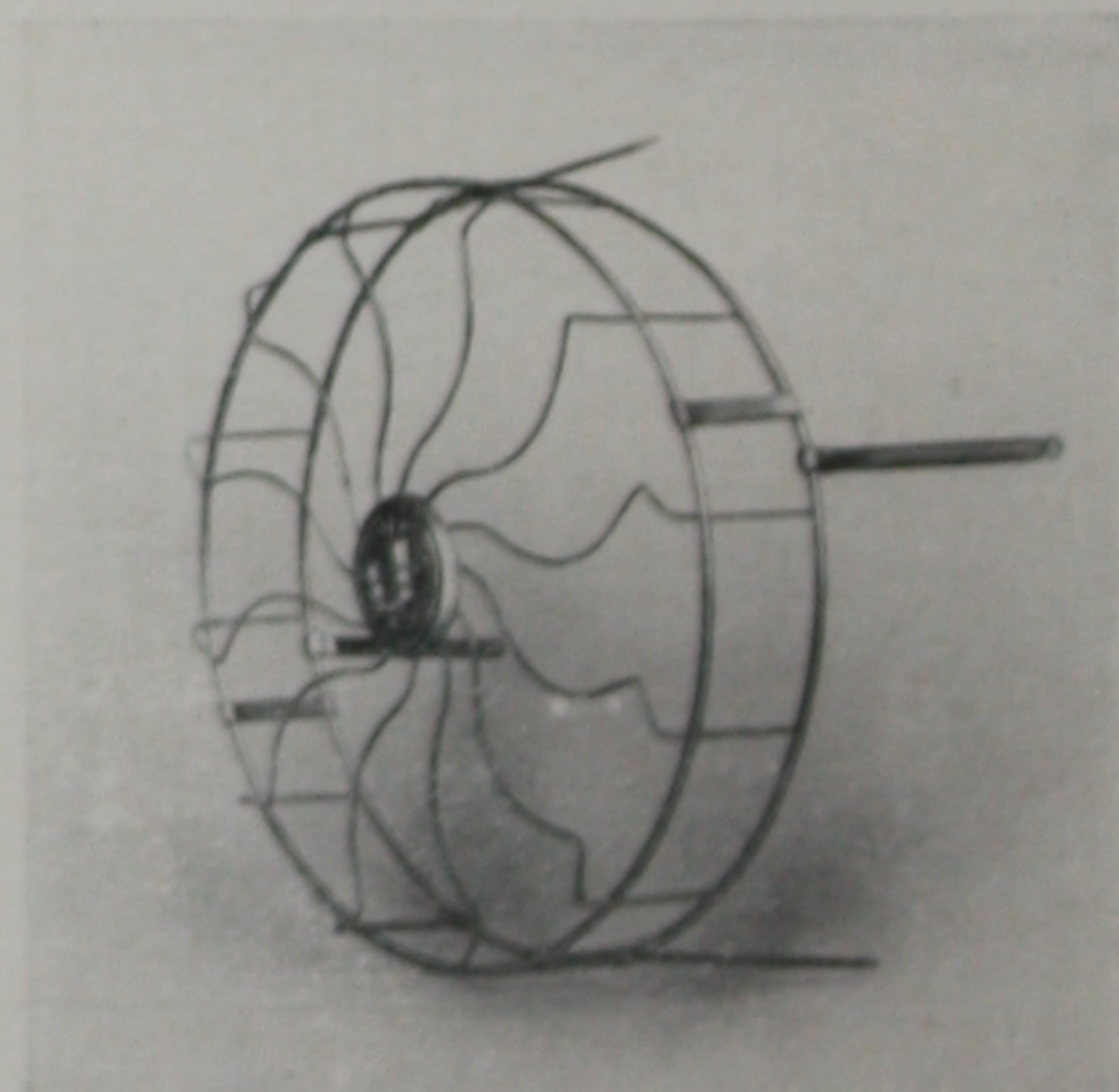
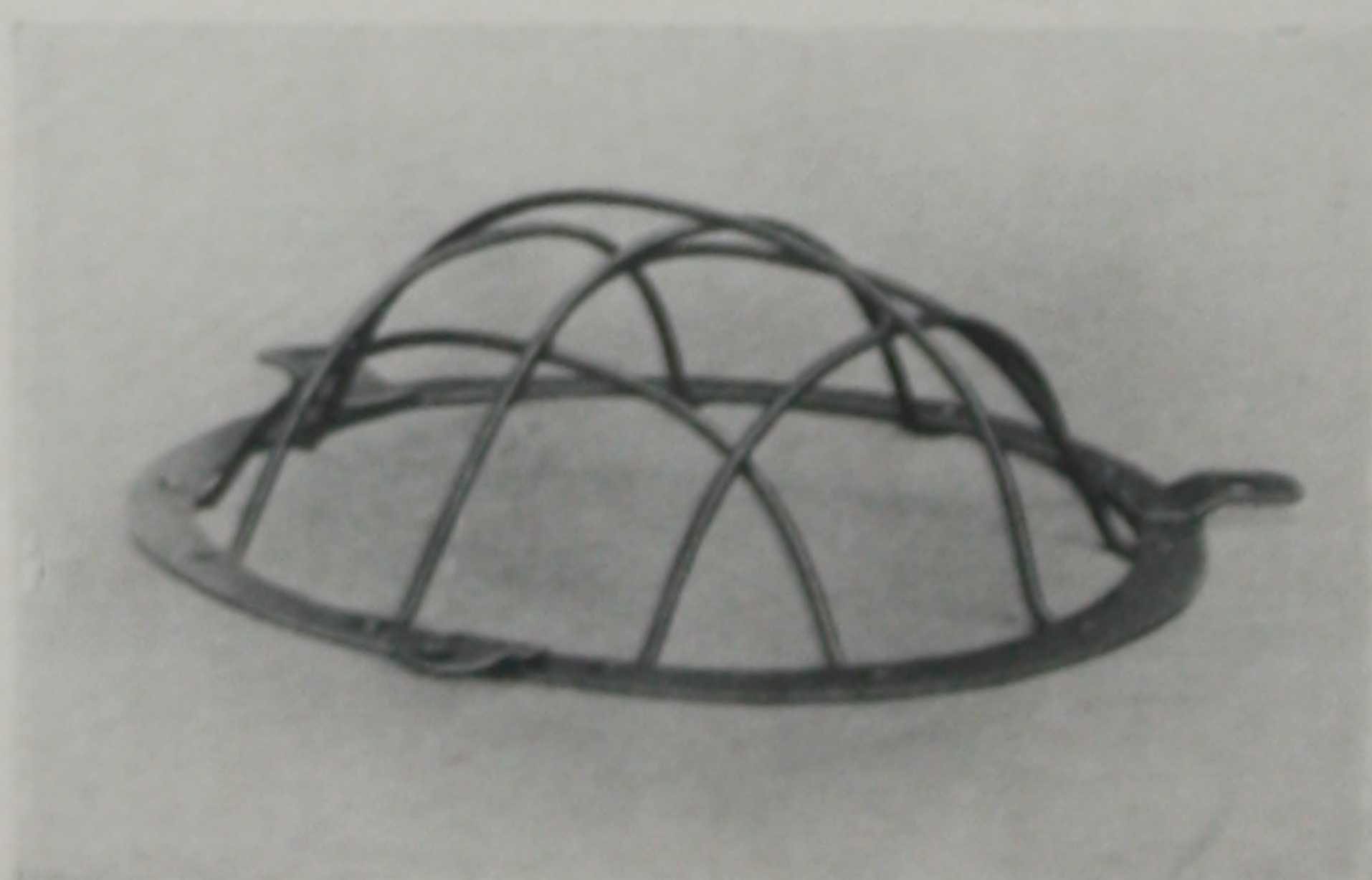
## Electric Lamp and Fan Guards

Made from  
Steel Wire.

Galvanized  
after made.

Manufactured in Standard  
Designs and also to Special  
Designs of Clients.

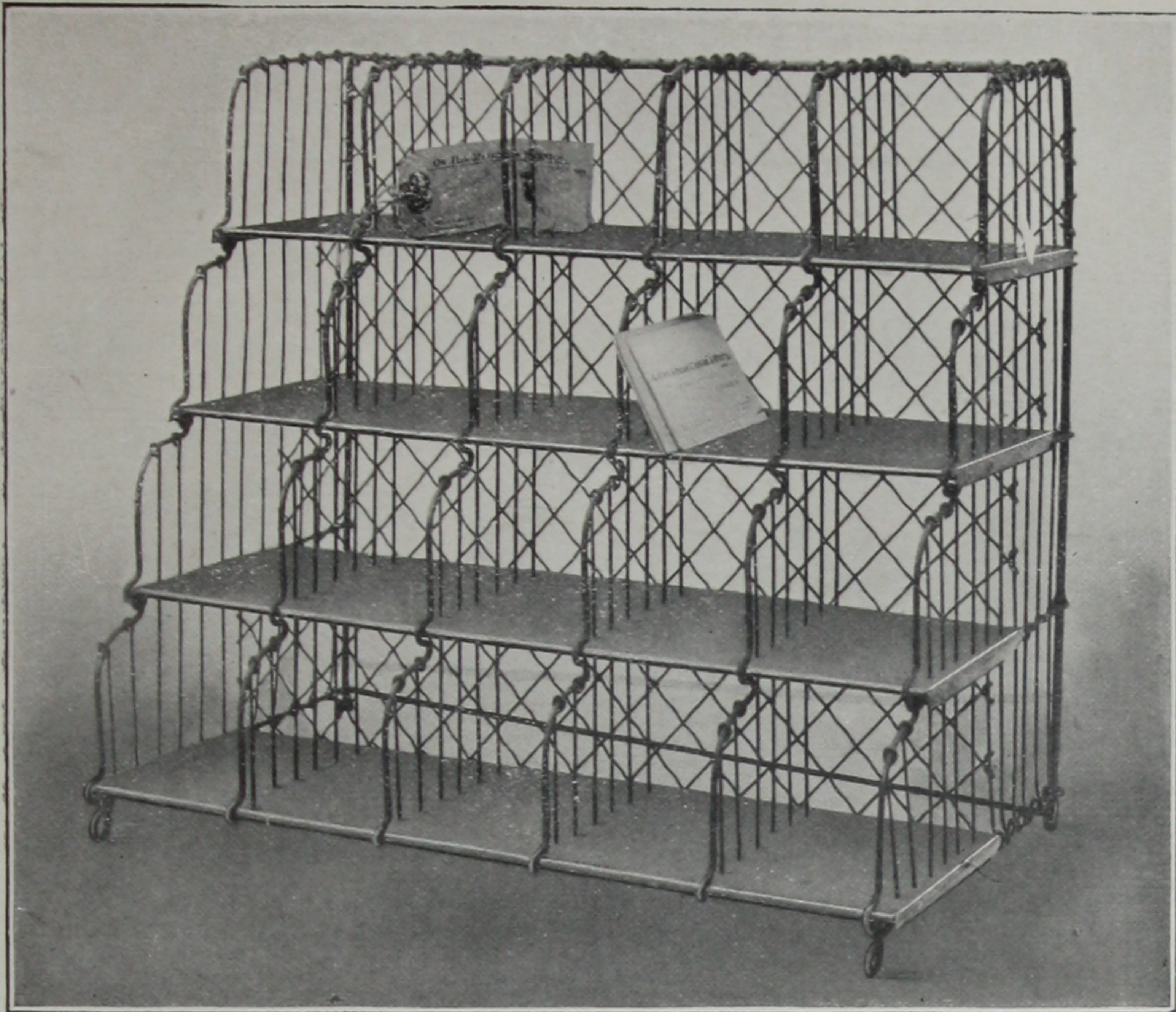
Brass Wire Fan Guard.



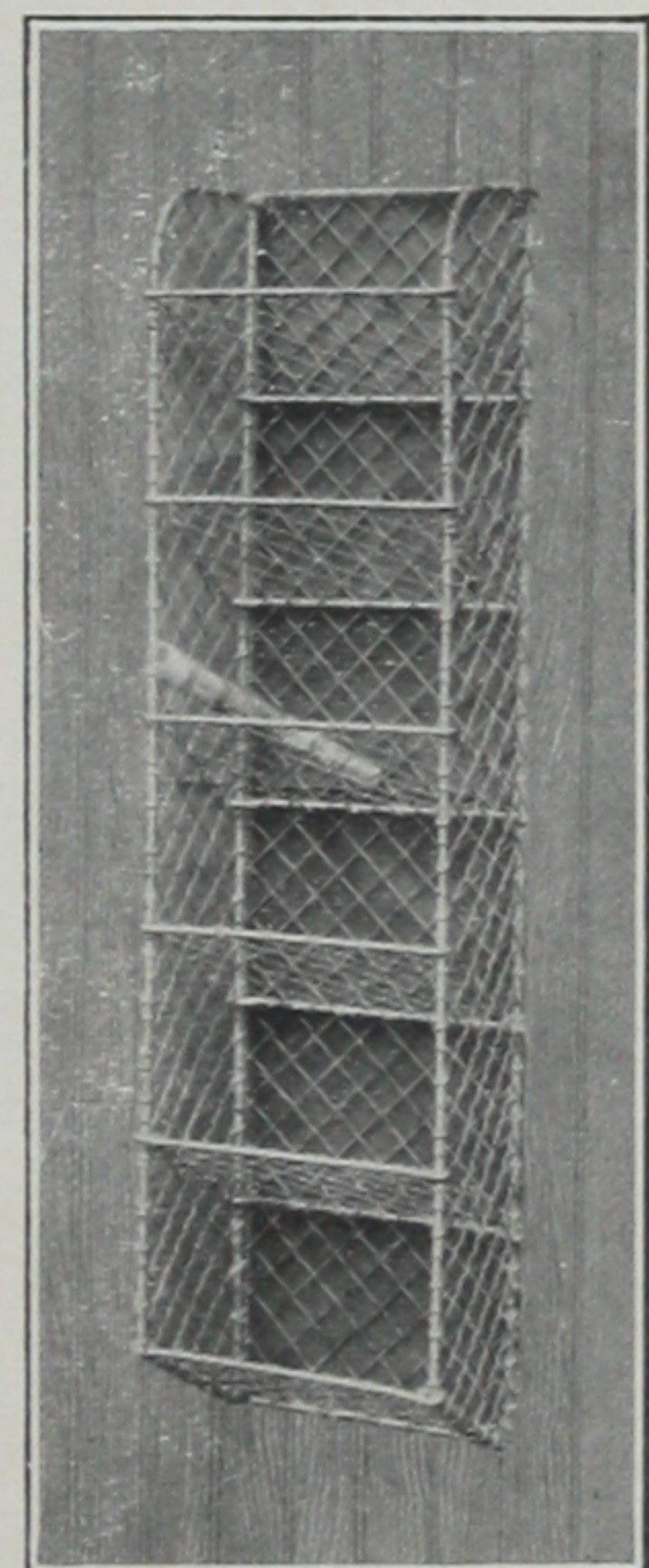
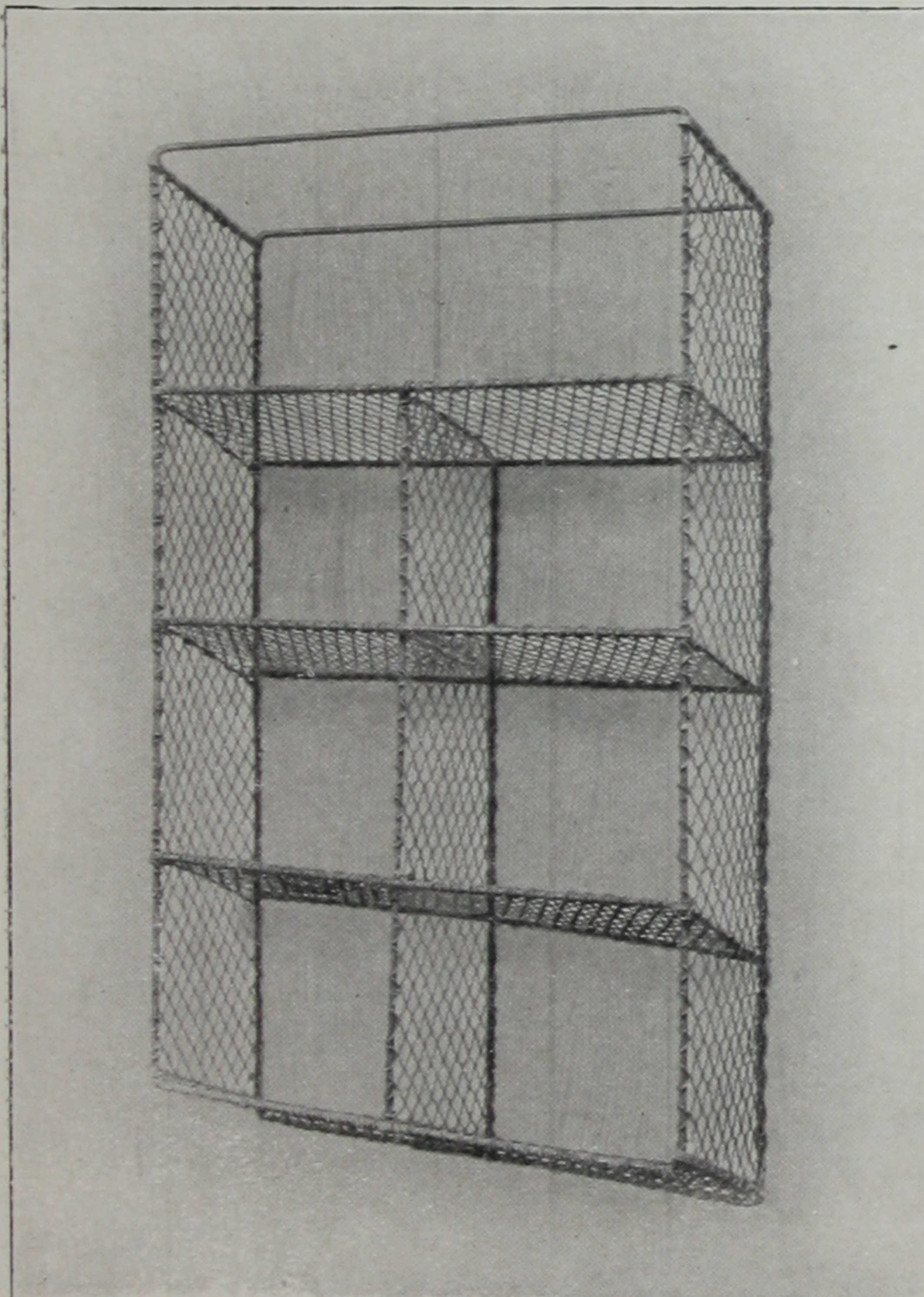


**Richard Johnson, Clapham & Morris, Ltd., Manchester**

## Letter and Parcel Racks



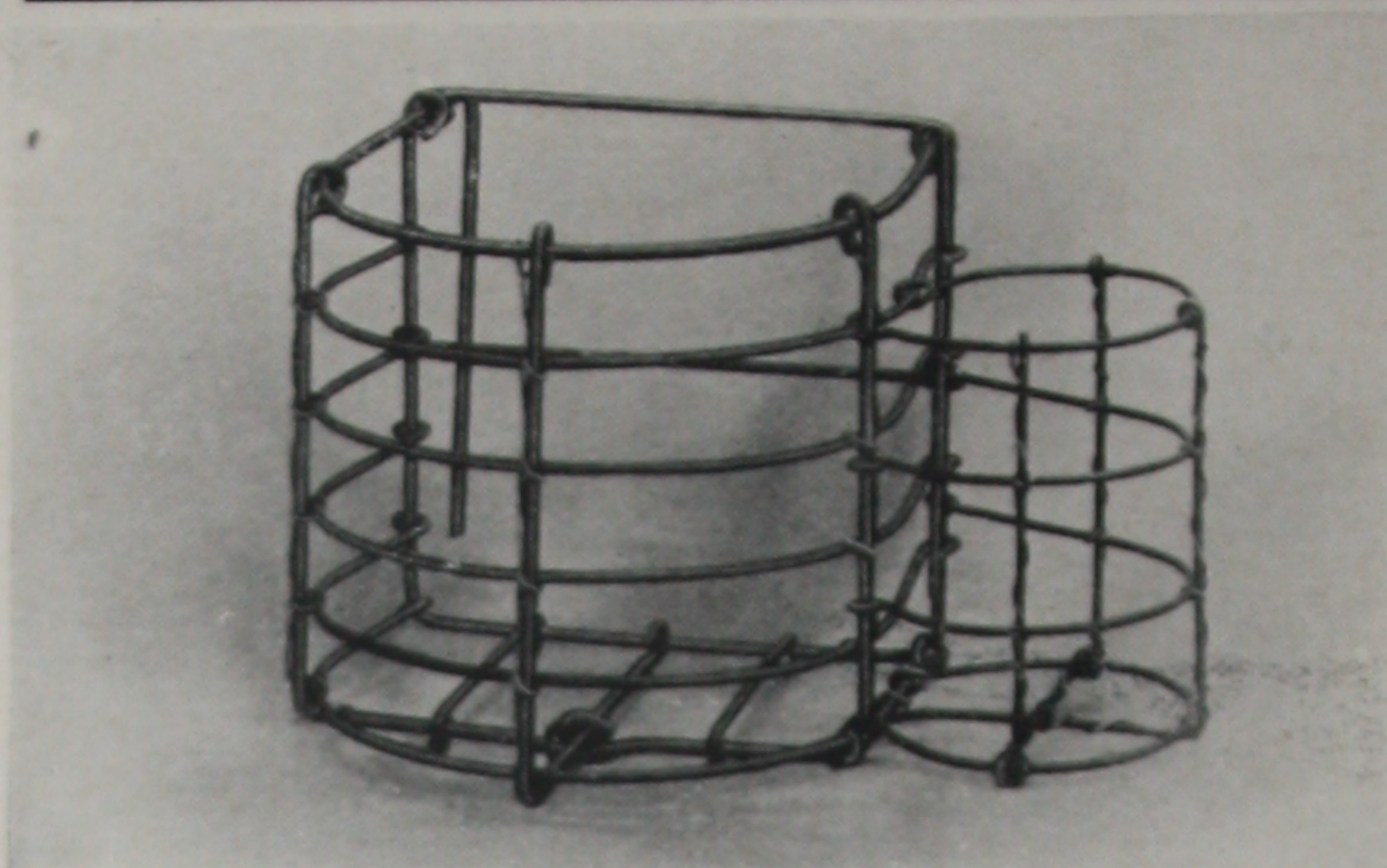
Made from Galvanized  
Steel or Brass Wire.



As supplied to H.M. Post  
Office and other Govern-  
ment Departments, also  
the leading Railway Com-  
panies at home and abroad

We make a speciality of Wall Racks and Fixtures of every description, and are prepared to submit designs with quotations upon receipt of a rough sketch giving measurements





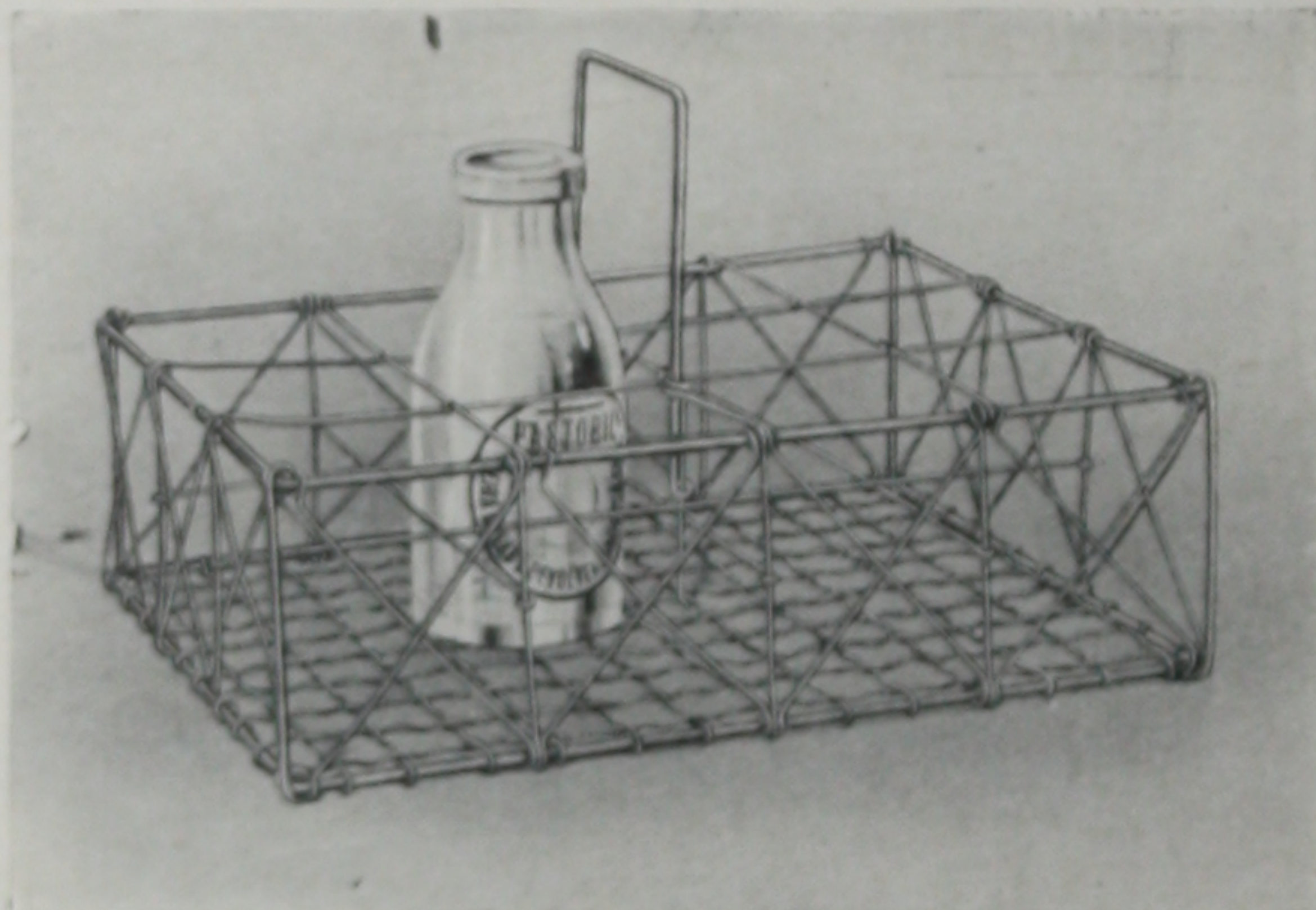
## Bottle Holders and Baskets

of every description.

Made from Steel Wire.  
Galvanized after made.

## Water Bottle and Glass Holder

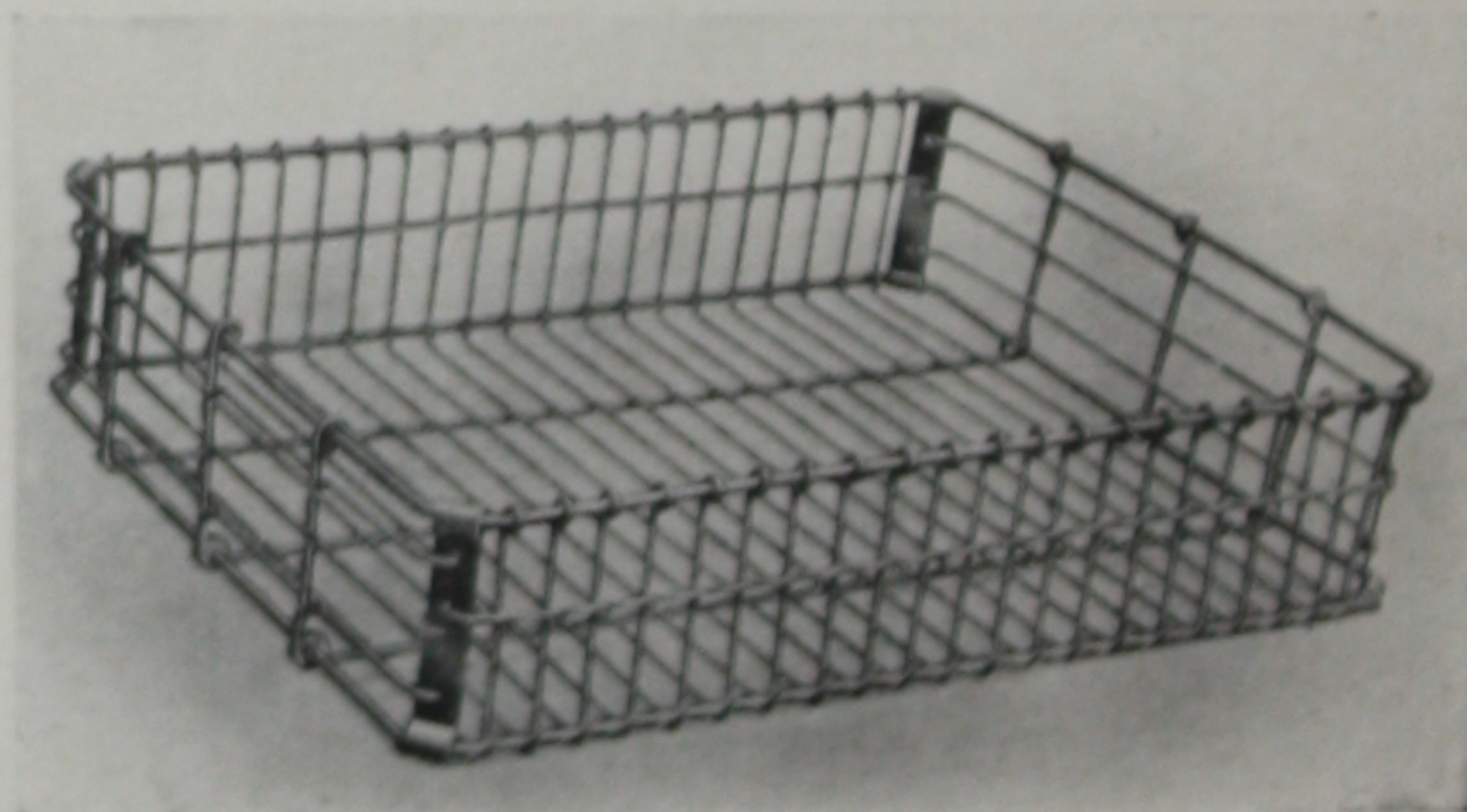
as manufactured for the leading Railway and Steamship Companies, etc.



## Wire Baskets for Sterilized Milk Bottles

## Strong Wire Carrying Baskets

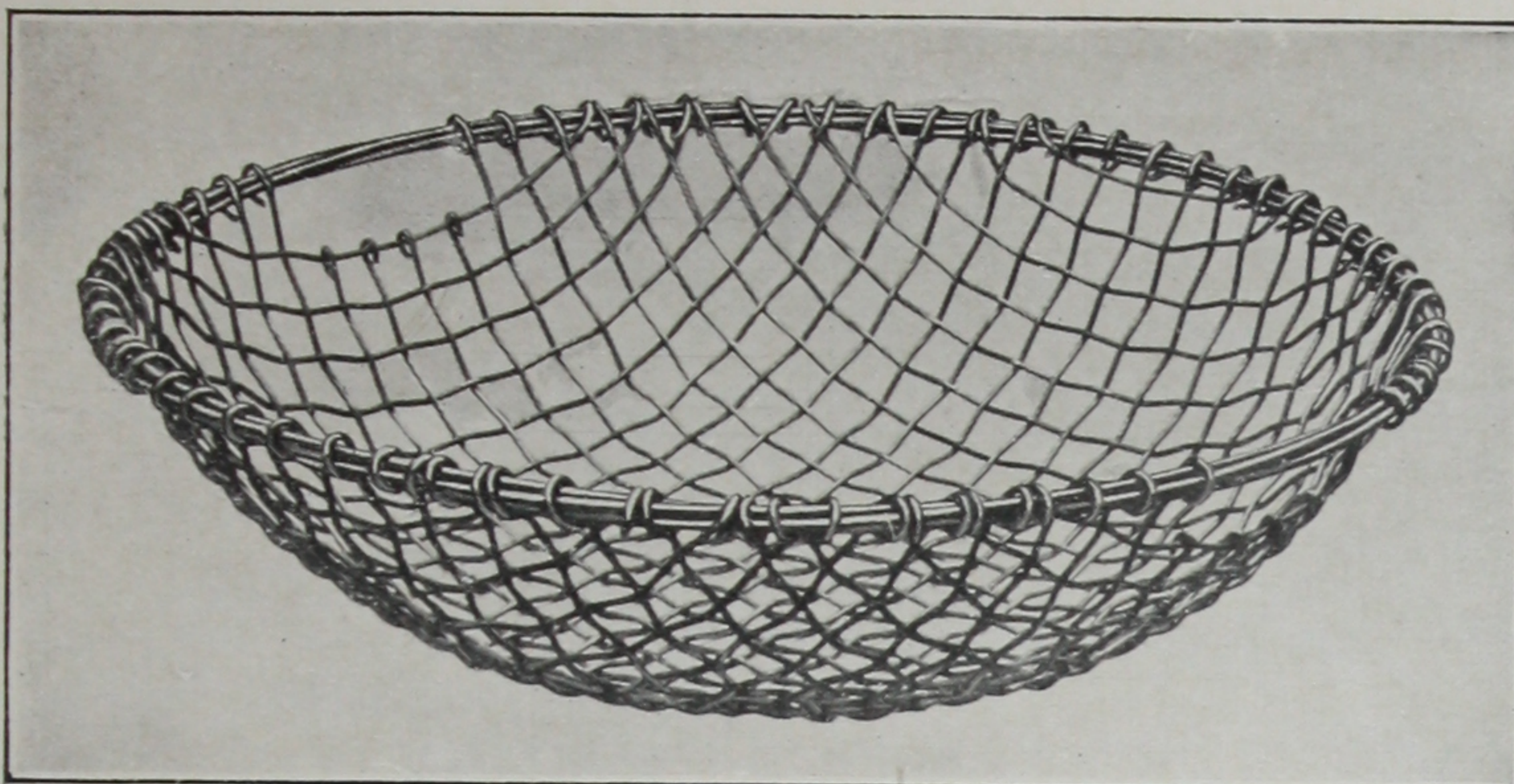
Used extensively in the Fruit Preserving Industries, etc.



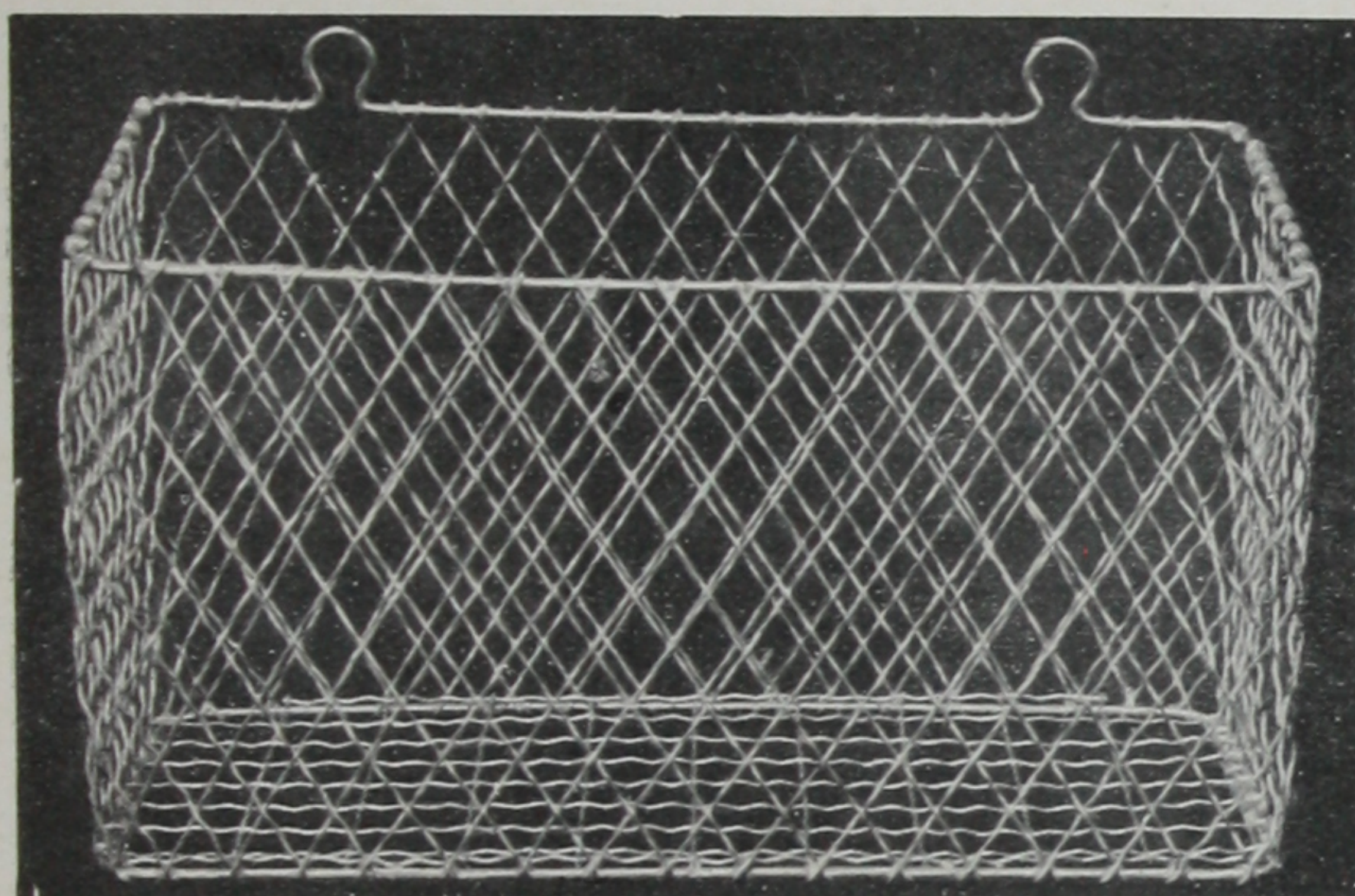


## Wire Baskets

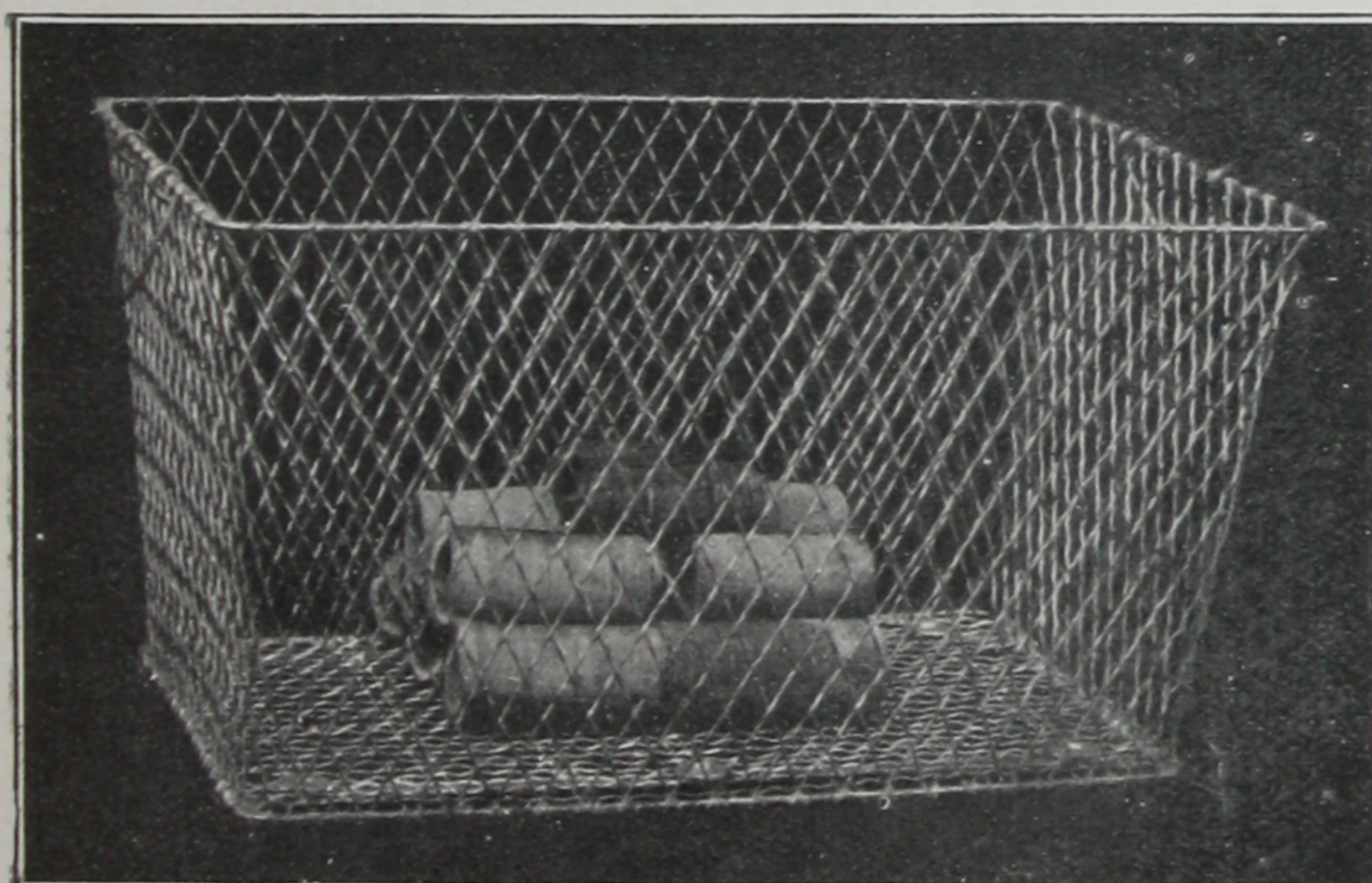
Made from Steel Wire.  
Galvanized after made.



**STRONG WIRE CARRYING BASKET**, suitable for handling Coke, Stable Refuse, etc.



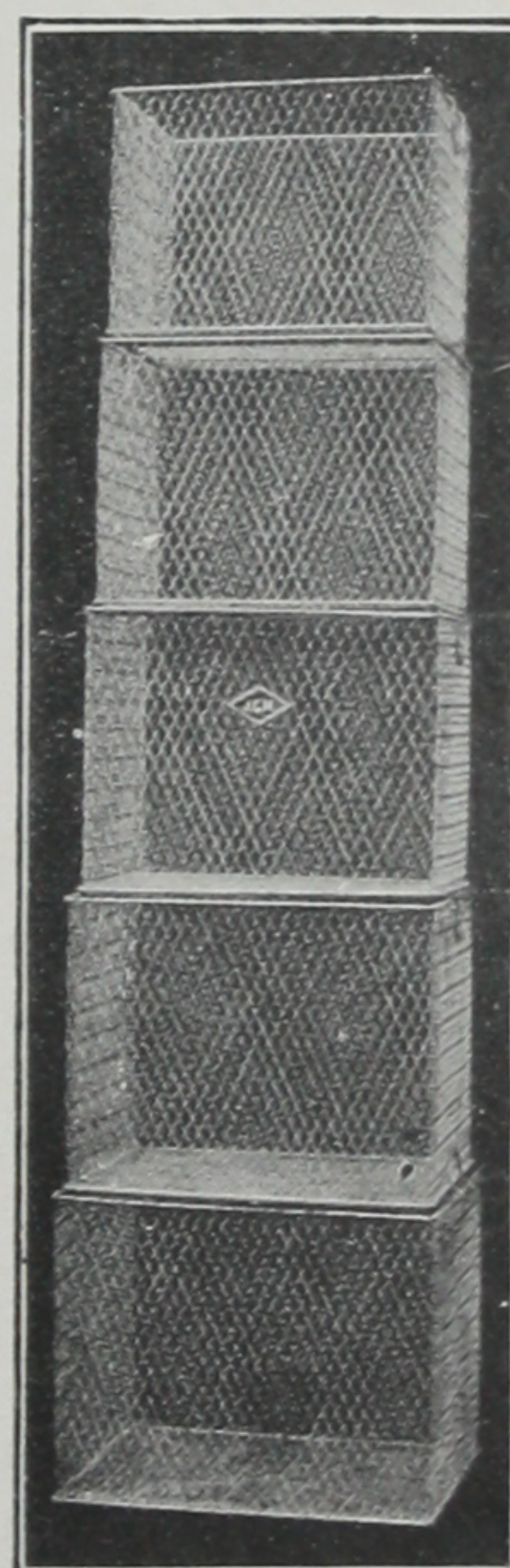
**SPONGE BASKET.**



**COP BASKET.**

### COP BASKETS

Made to nest  
for export.



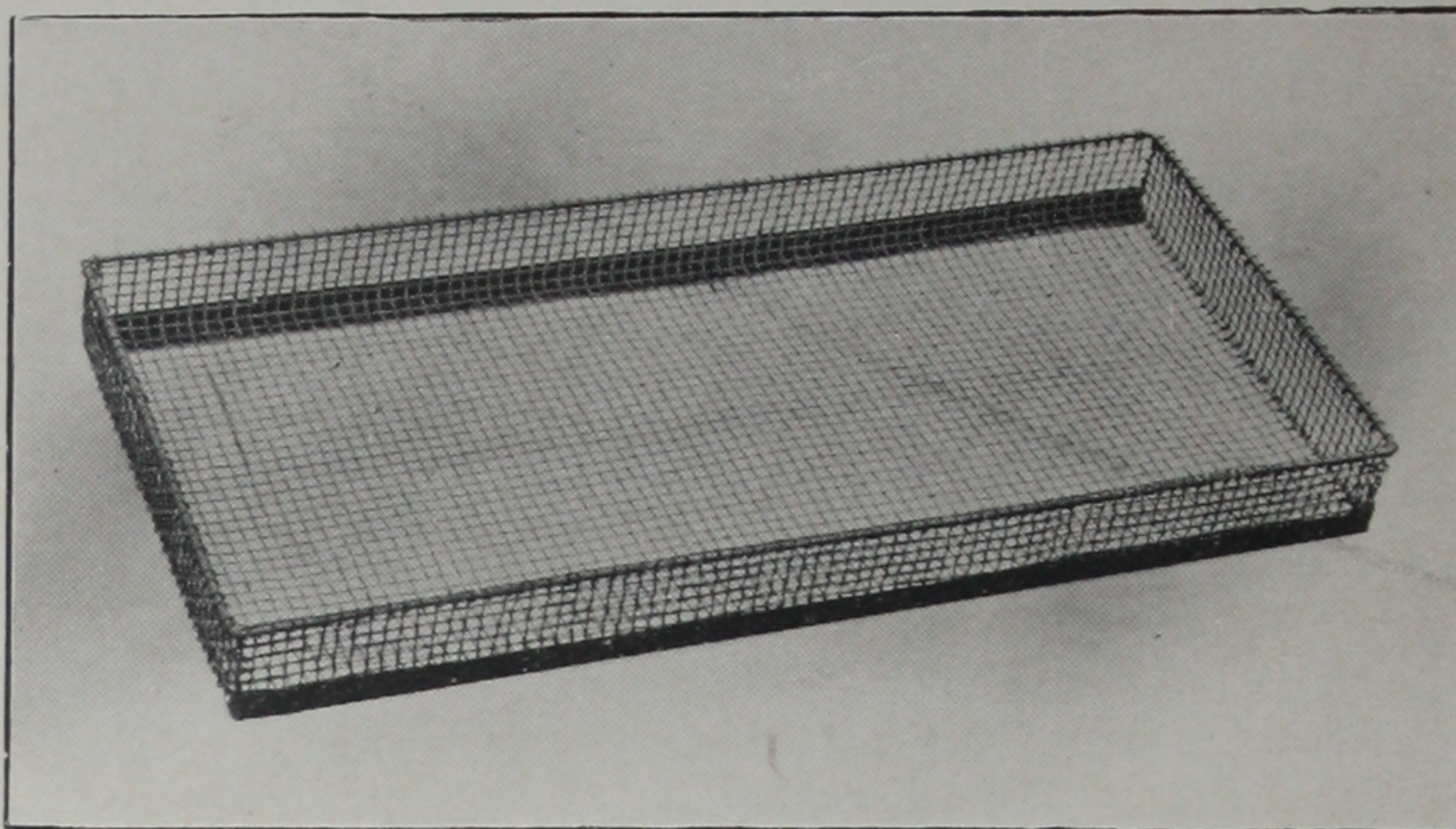
We are prepared to manufacture any form of Wire Basket to suit the requirements of customers.



## Wire Trays

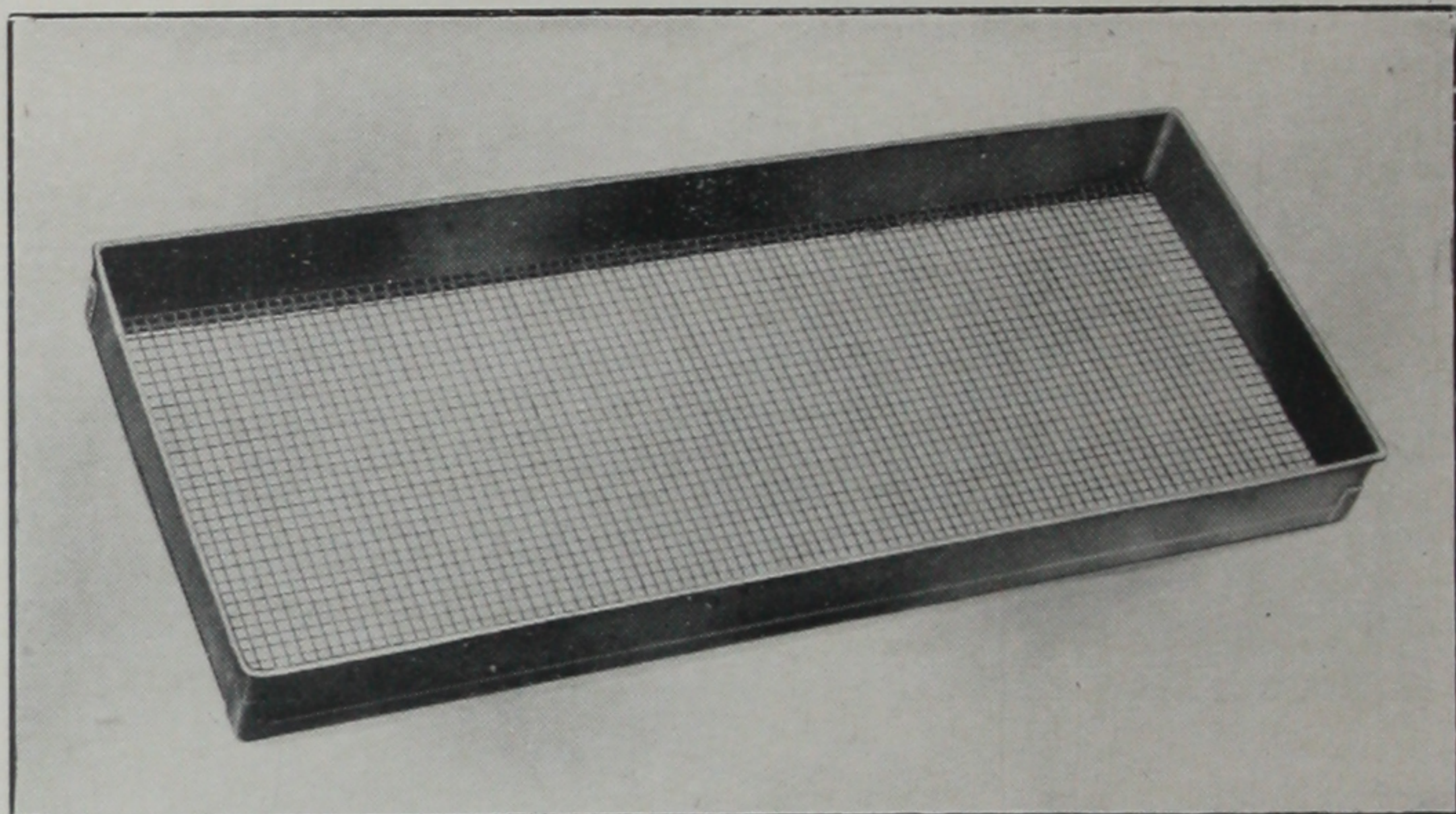
Made from Steel Wire.

Galvanized after made.



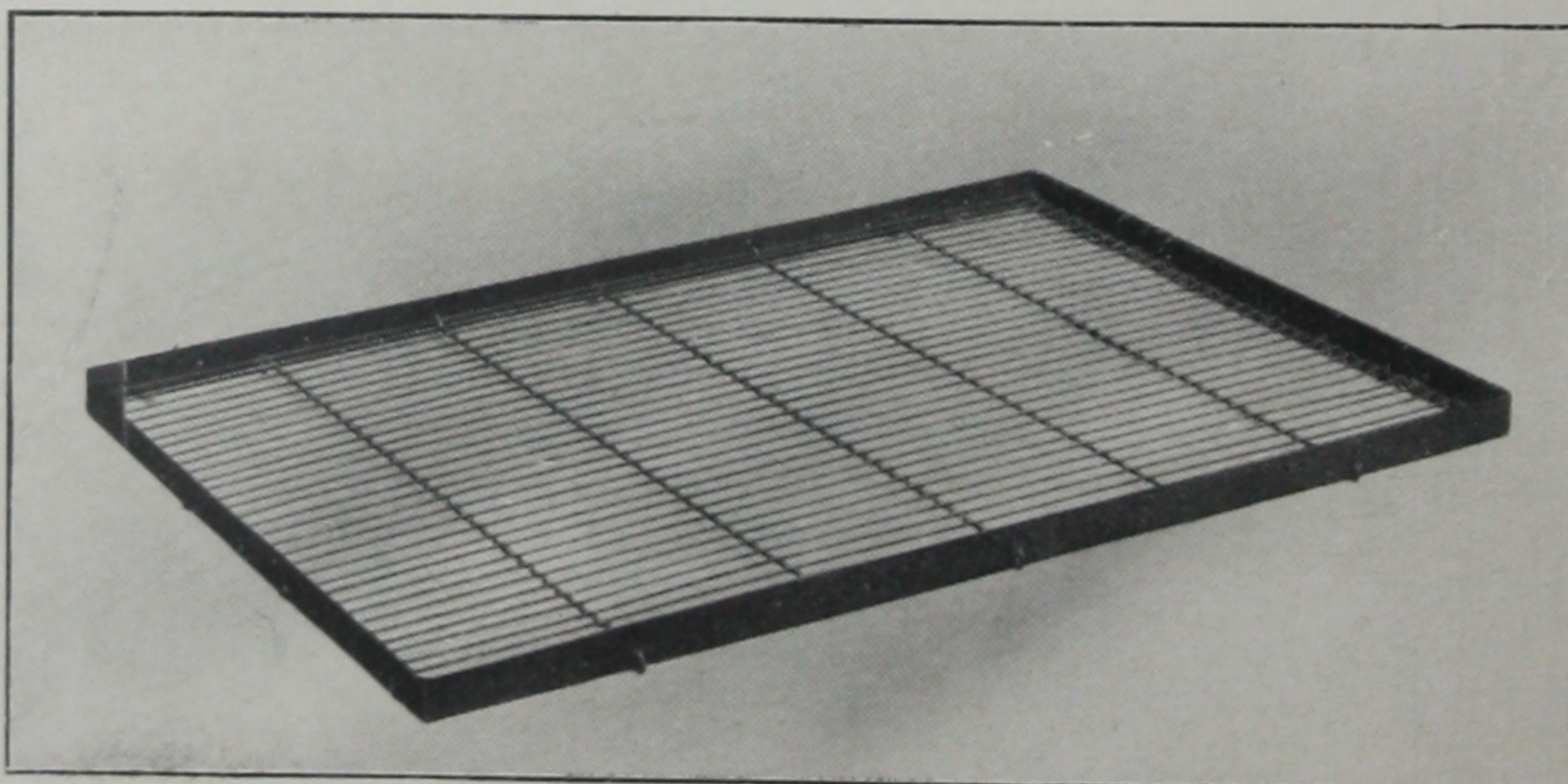
**SQUARE  
MESH  
TRAY**

with strong  
angle-iron  
side pieces.



**SQUARE  
MESH  
TRAY**

with strong  
sheet-iron  
sides.



**STRAIGHT-  
LACED  
TRAYS**

with strong  
hoop-iron  
sides.

We are prepared to manufacture any form of Wire Tray to meet the requirements of customers.



## Waste Paper Baskets

For PARKS, PLEASURE GROUNDS, STREETS, Etc.

Made from Strong Steel Wire.

Galvanized after made.



No. 401.

Size: 30in. high, 20in. diam. at top.

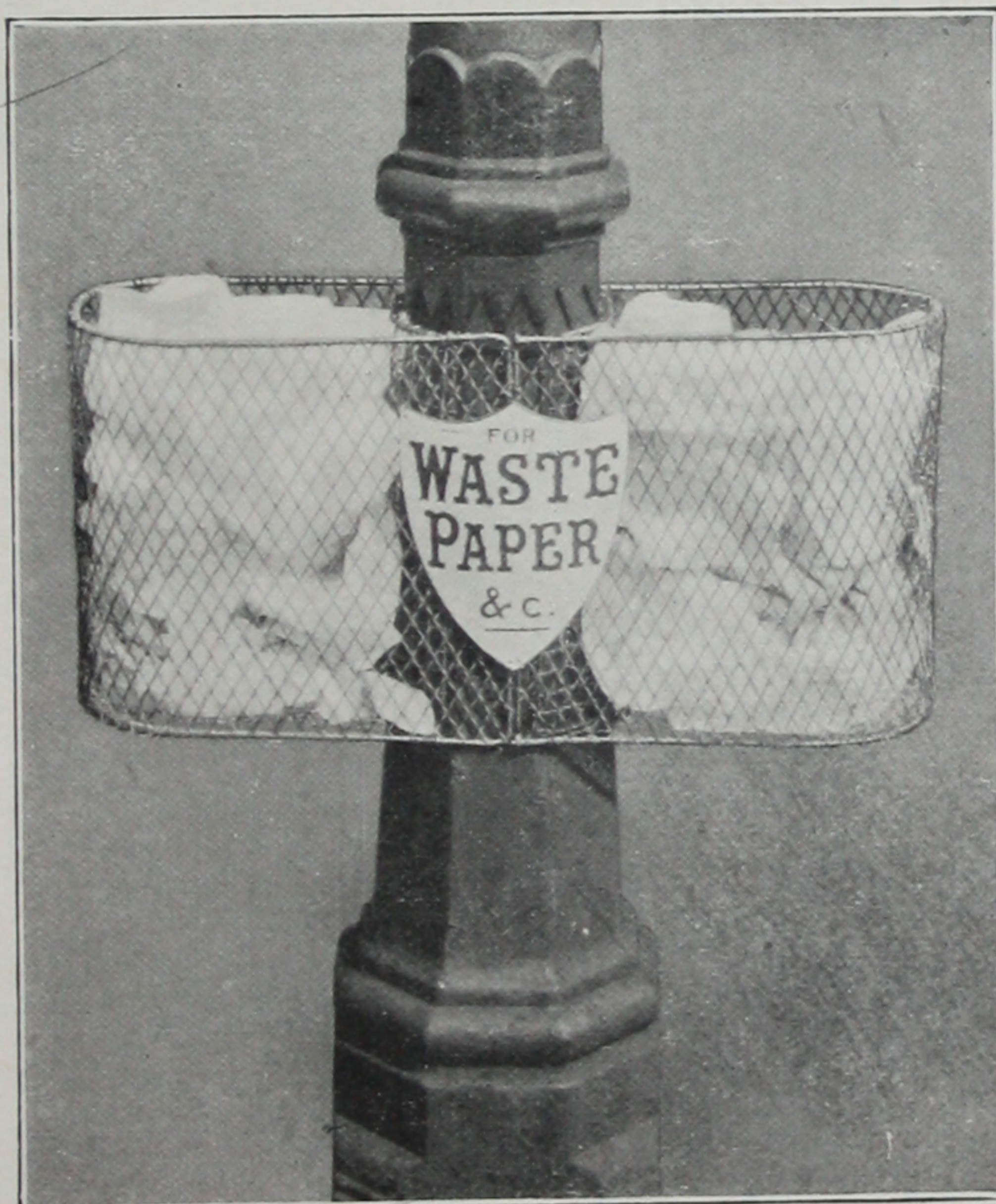


No. 401 B.

Size: about 30in. high, 20in. diam. at top.



No. 401 A. Size: about 24in. high, 18in. diam. at top, 9in. back to front.



No. 401 C. For Lamp Posts and Electric Light Standards. Size: 12in. deep, 9in. projection.

We are prepared to manufacture any form of Wire Waste Paper Baskets to meet special requirements.



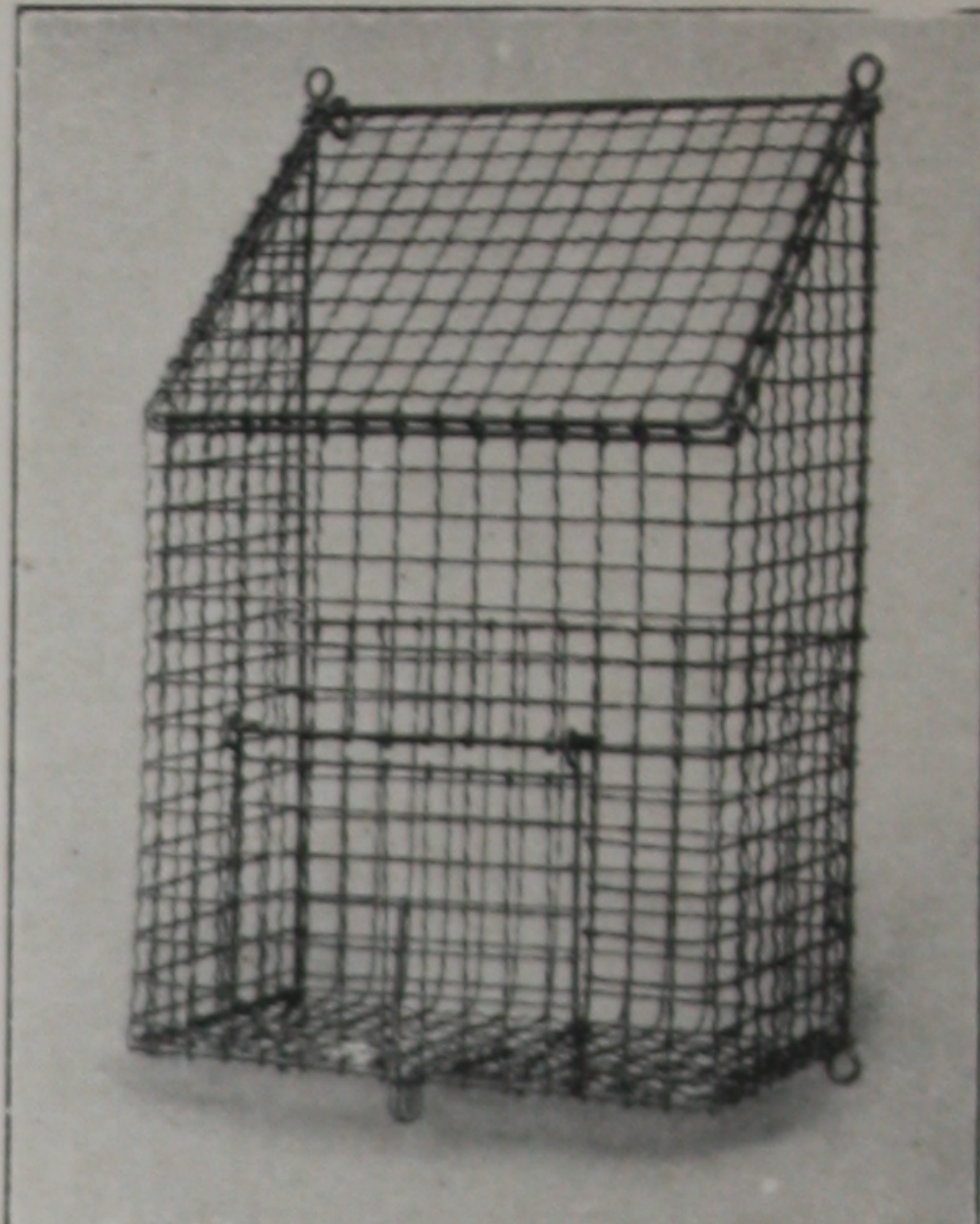
# Letter Boxes, Trays, Racks & Office Waste Paper Baskets

Made from Steel Wire.

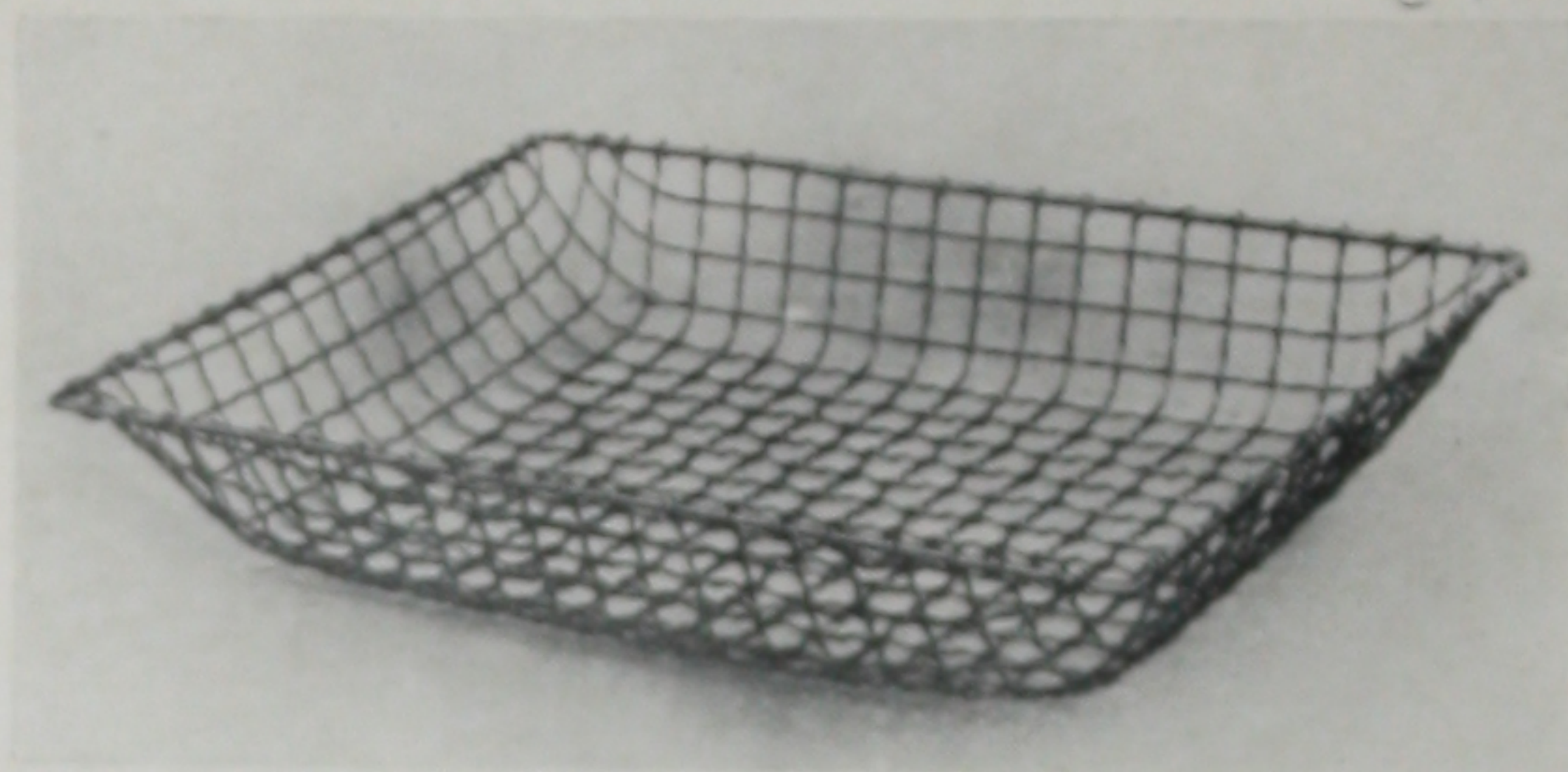
Galvanized or Enamelled after made.



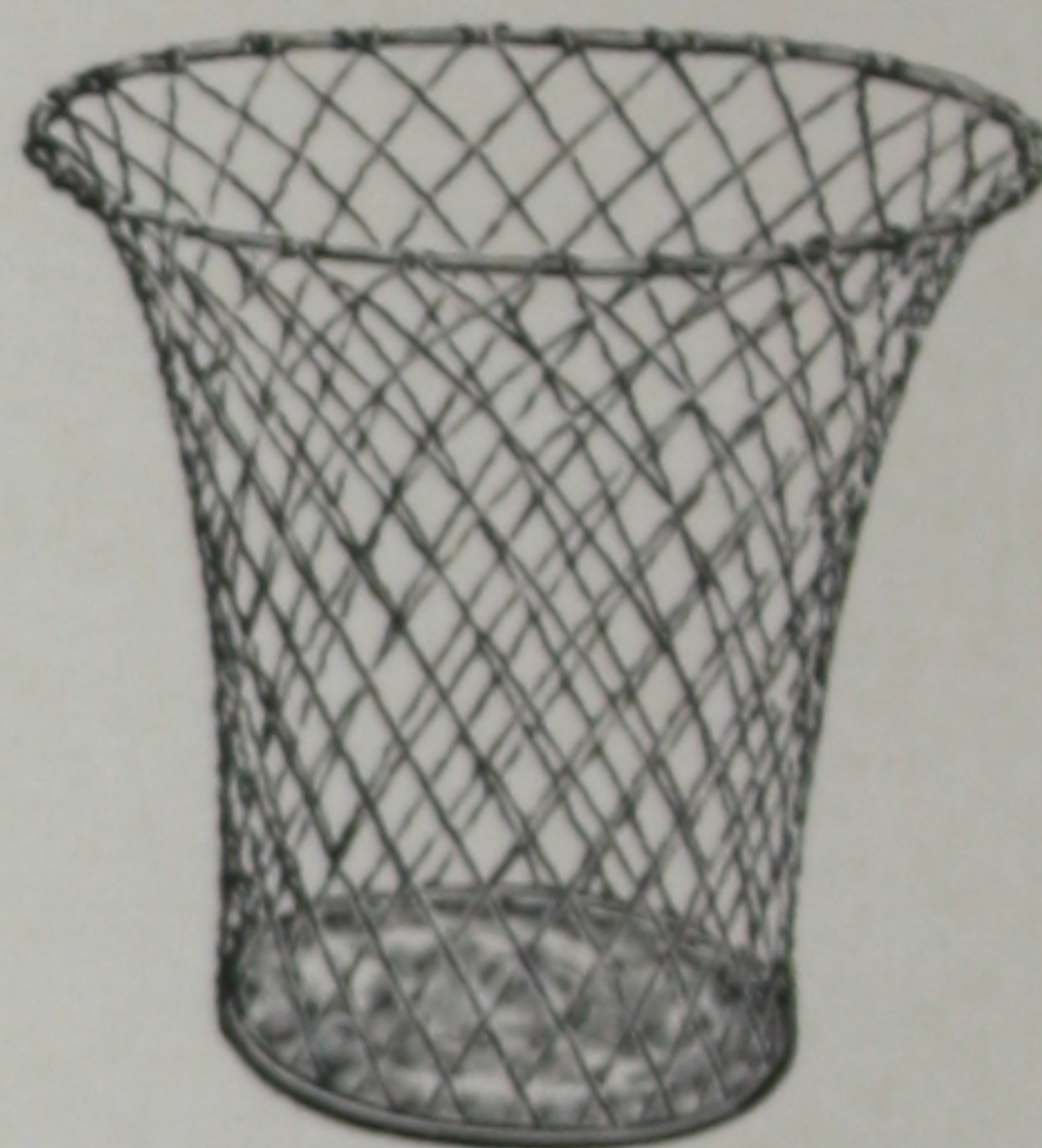
Letter Box No. 369. Opens at top.



Letter Box No. 369 A. Opens at bottom.



Letter Tray No. 999. Made in the following sizes :  
13in. x 10in. 14in. x 10½in. 15in. x 11½in.

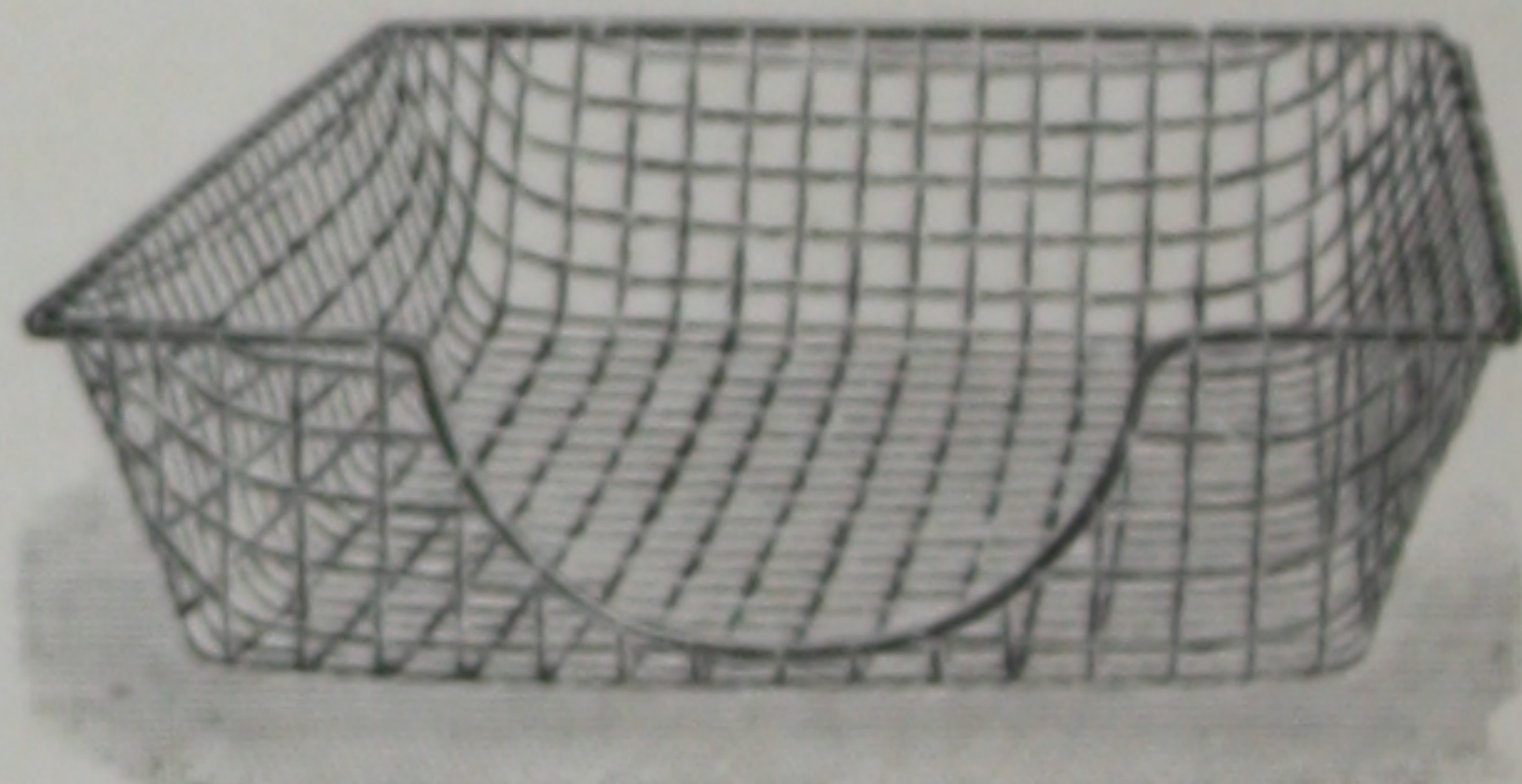


Waste Paper Basket No. 1003.  
With sheet-iron bottoms. Made in  
the following sizes :

11in. diam. at top	11in. high.
12in.           "	12in.   "
13in.           "	13in.   "
14in.           "	15in.   "



Stand for Letter Trays No. 998.  
Made with any number of tiers as required.

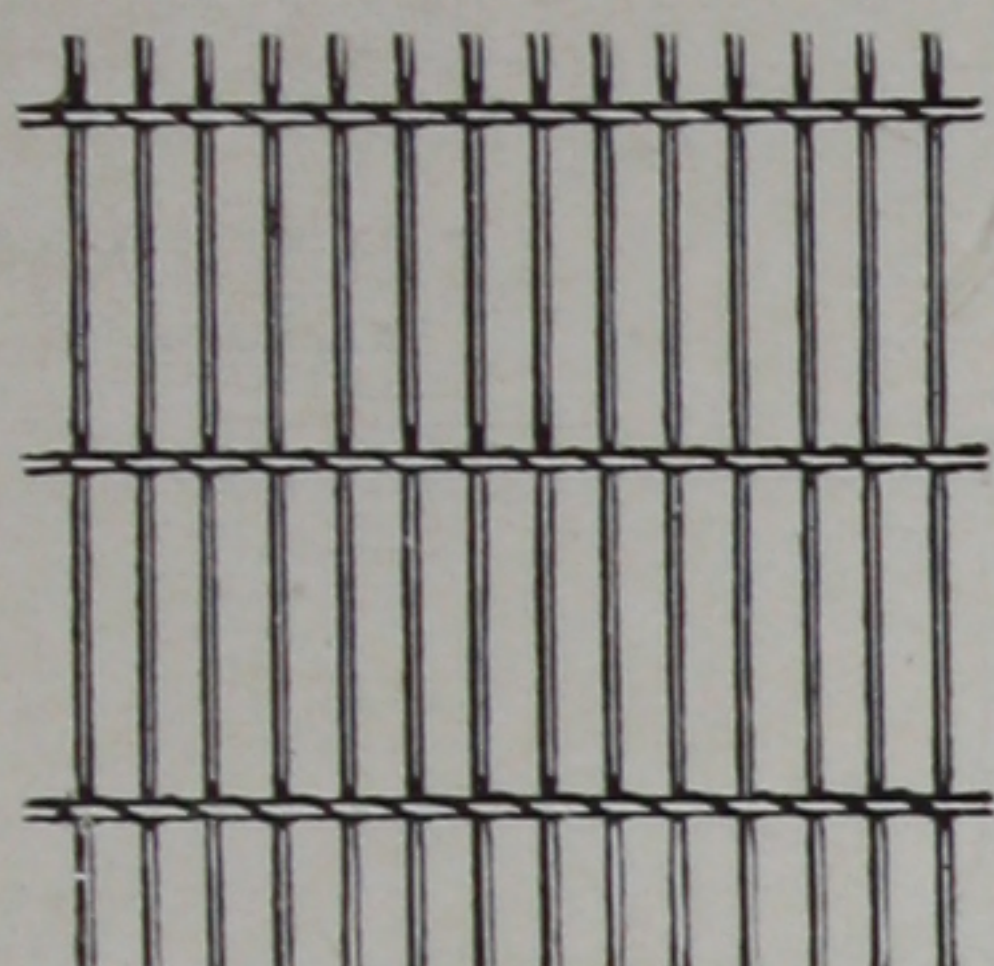


Letter Tray No. 1001.  
Made in the following sizes :  
13" x 10" 14" x 10½" 15" x 11½"

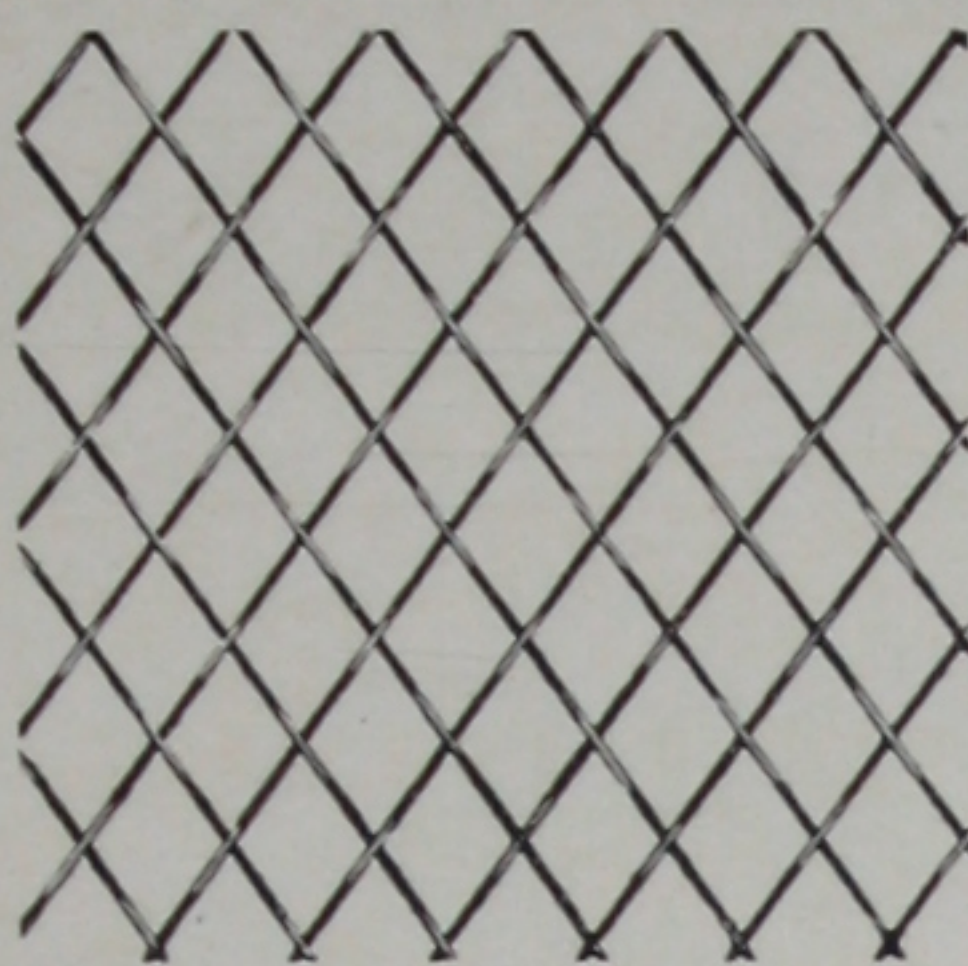


# Wire Work

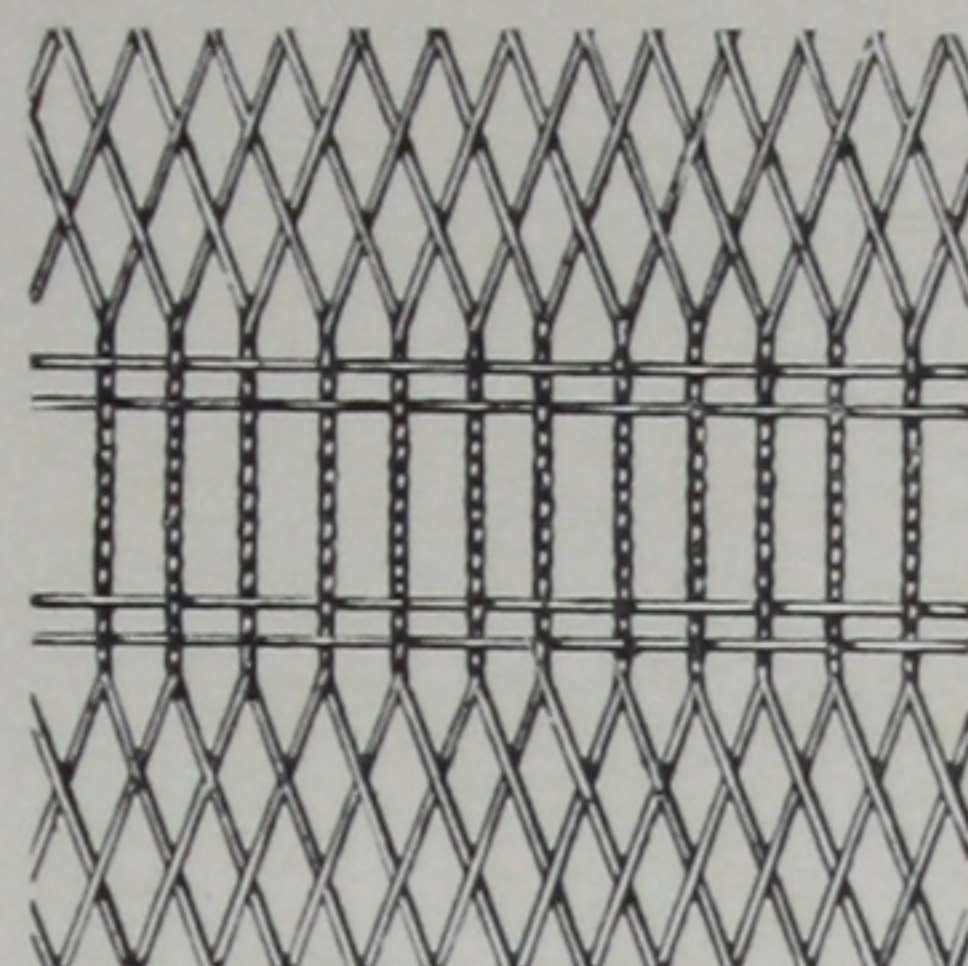
VARIOUS PATTERNS WHICH WE MANUFACTURE.



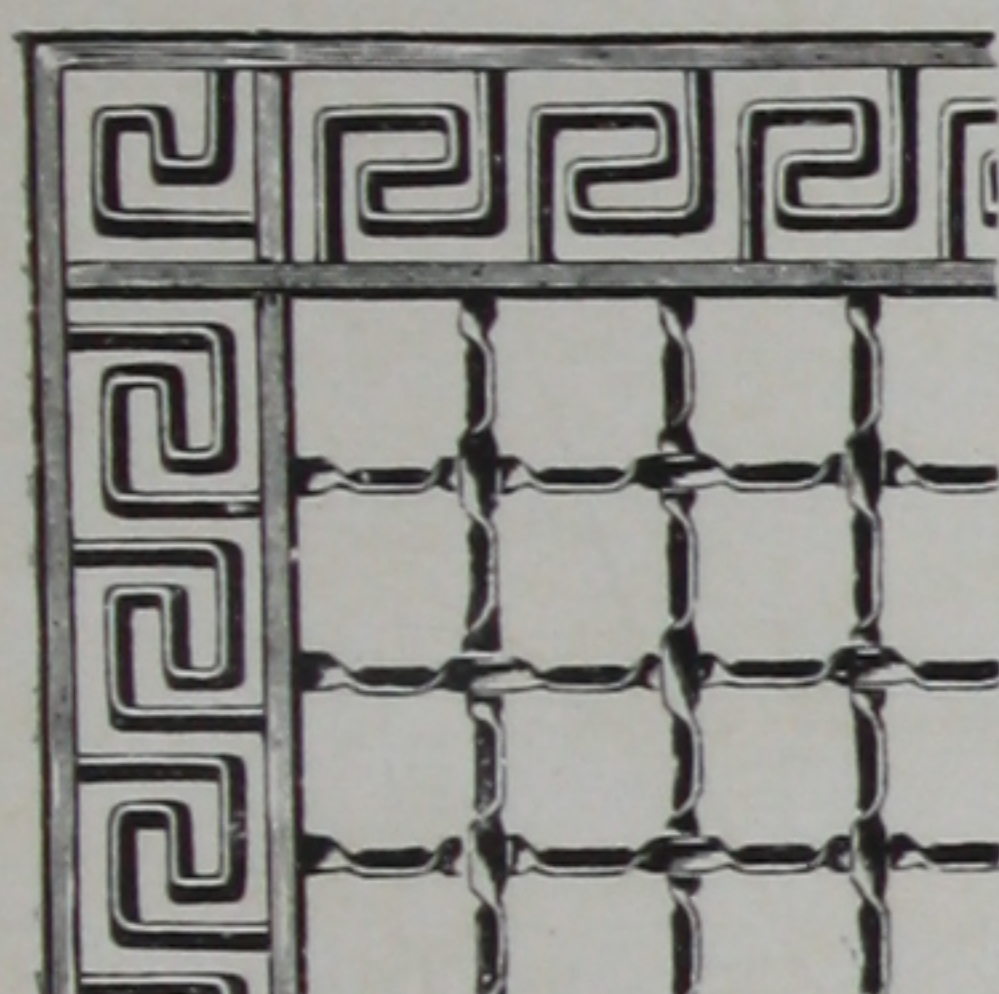
Round Wire Work,  
Straight Lattice,  
No. 410.



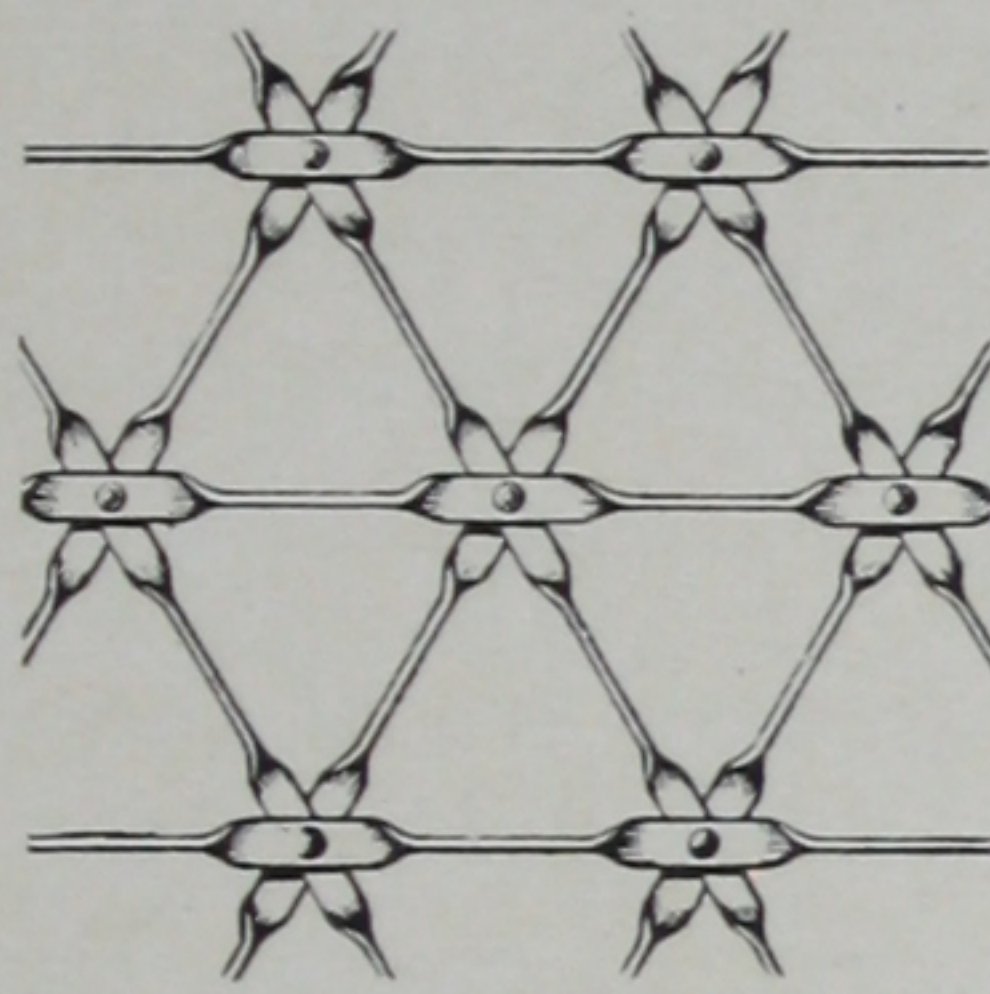
Round Wire Work,  
Diamond Lattice,  
No. 411.



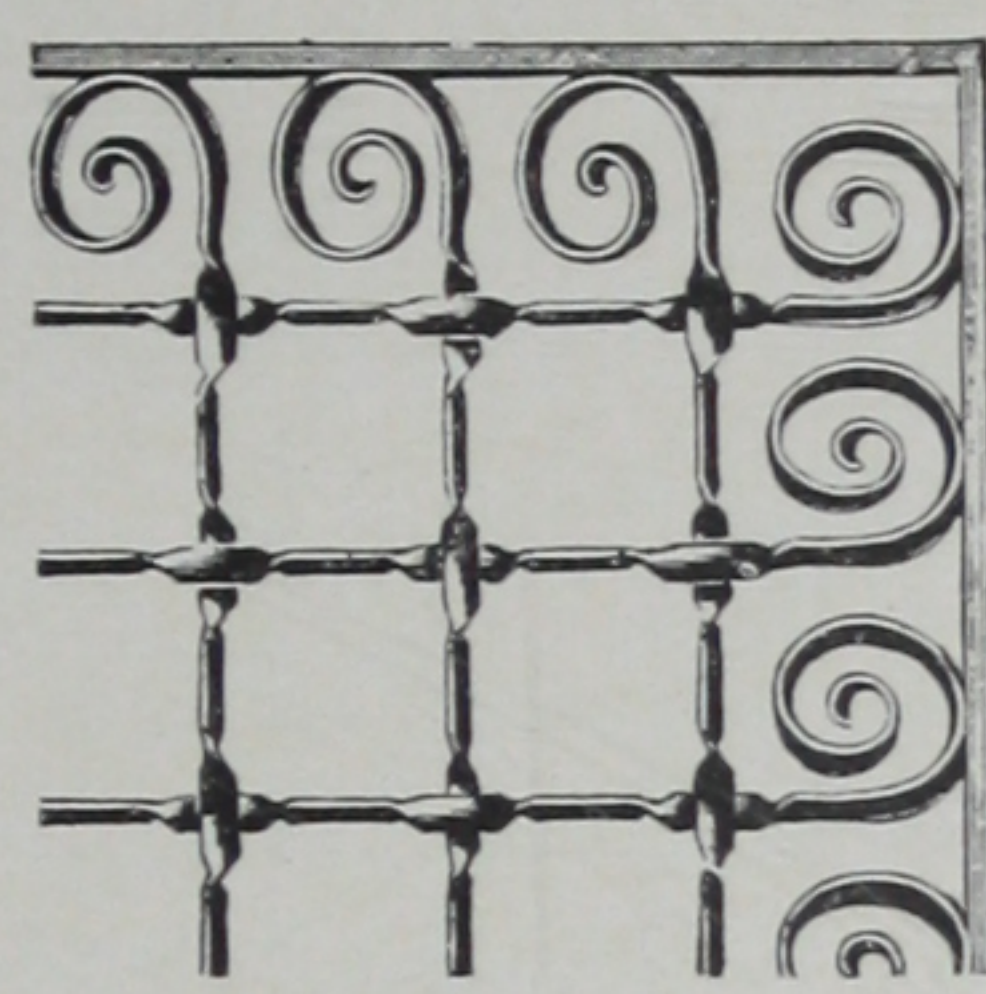
Round Wire Work,  
No. 366.



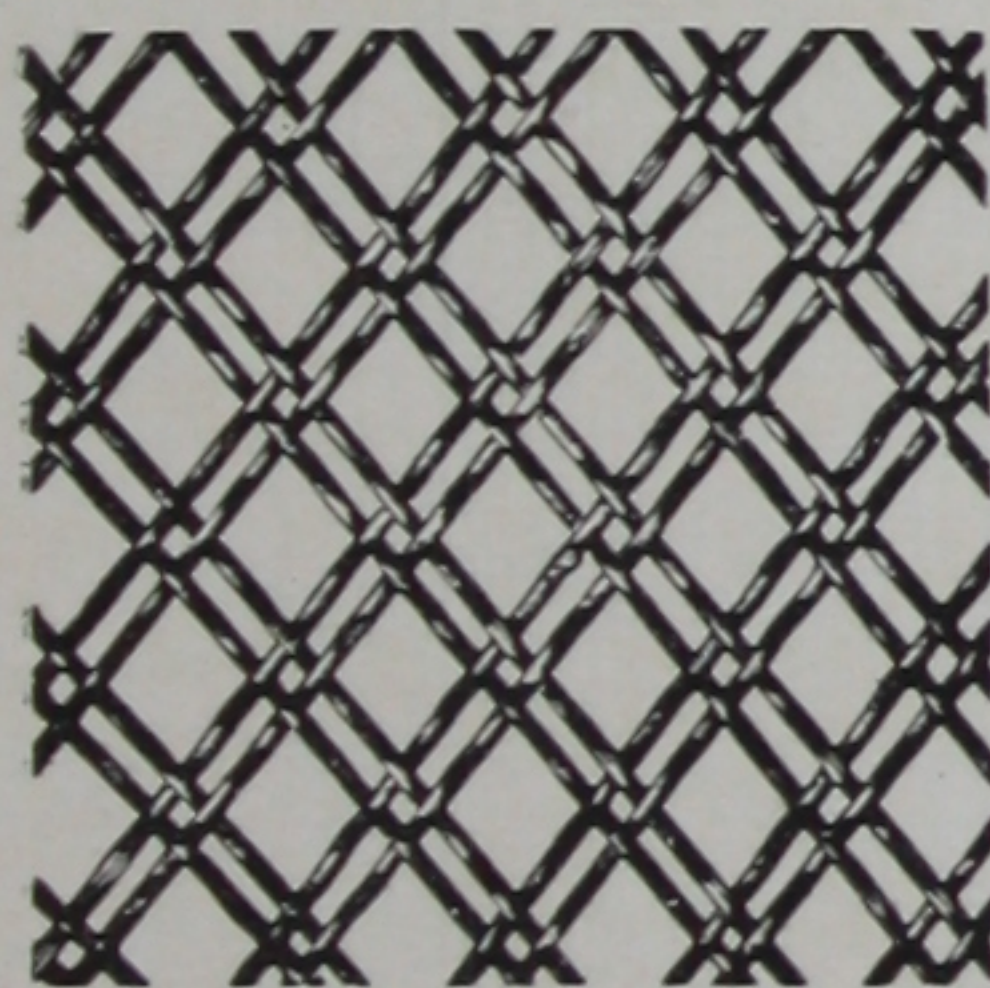
Flat Iron Work,  
No. 300.



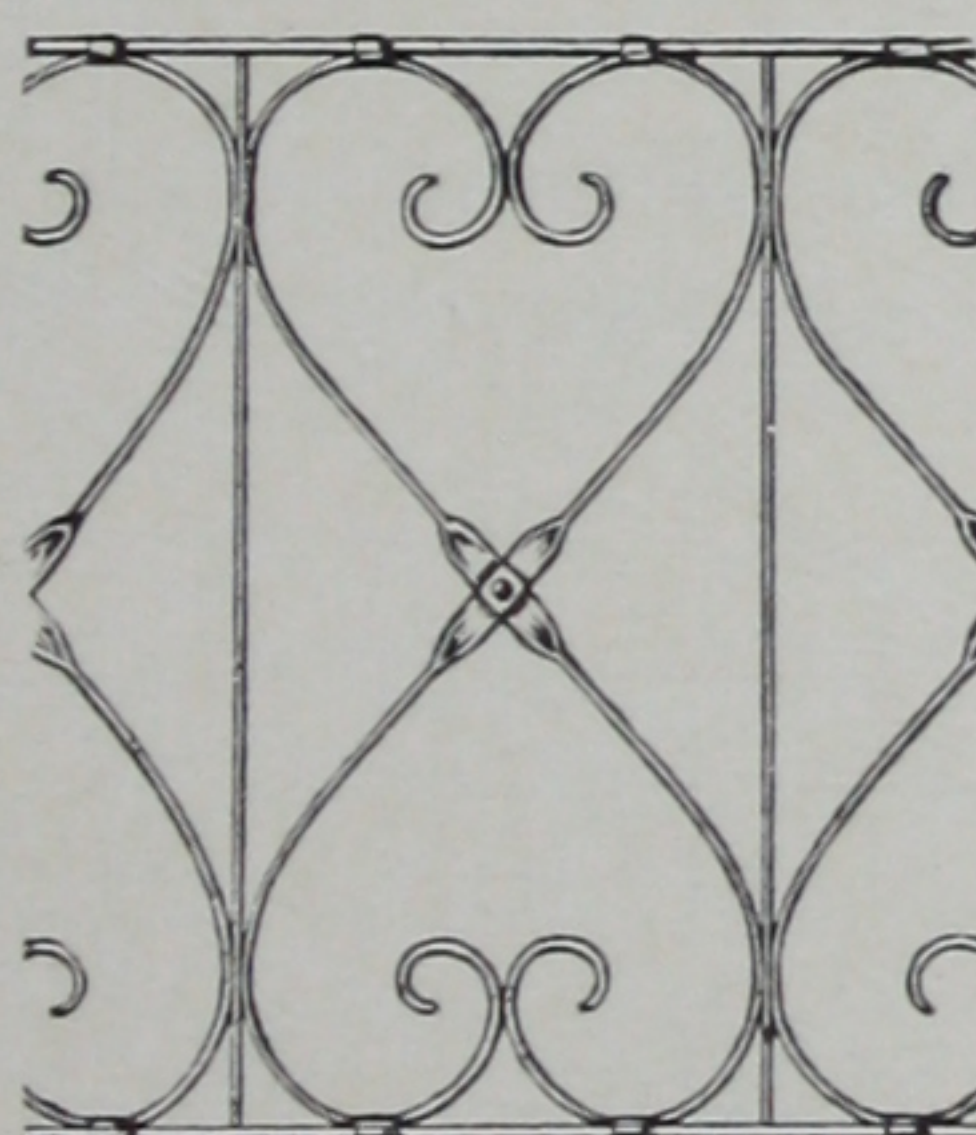
Flat Iron Work,  
No. 302.



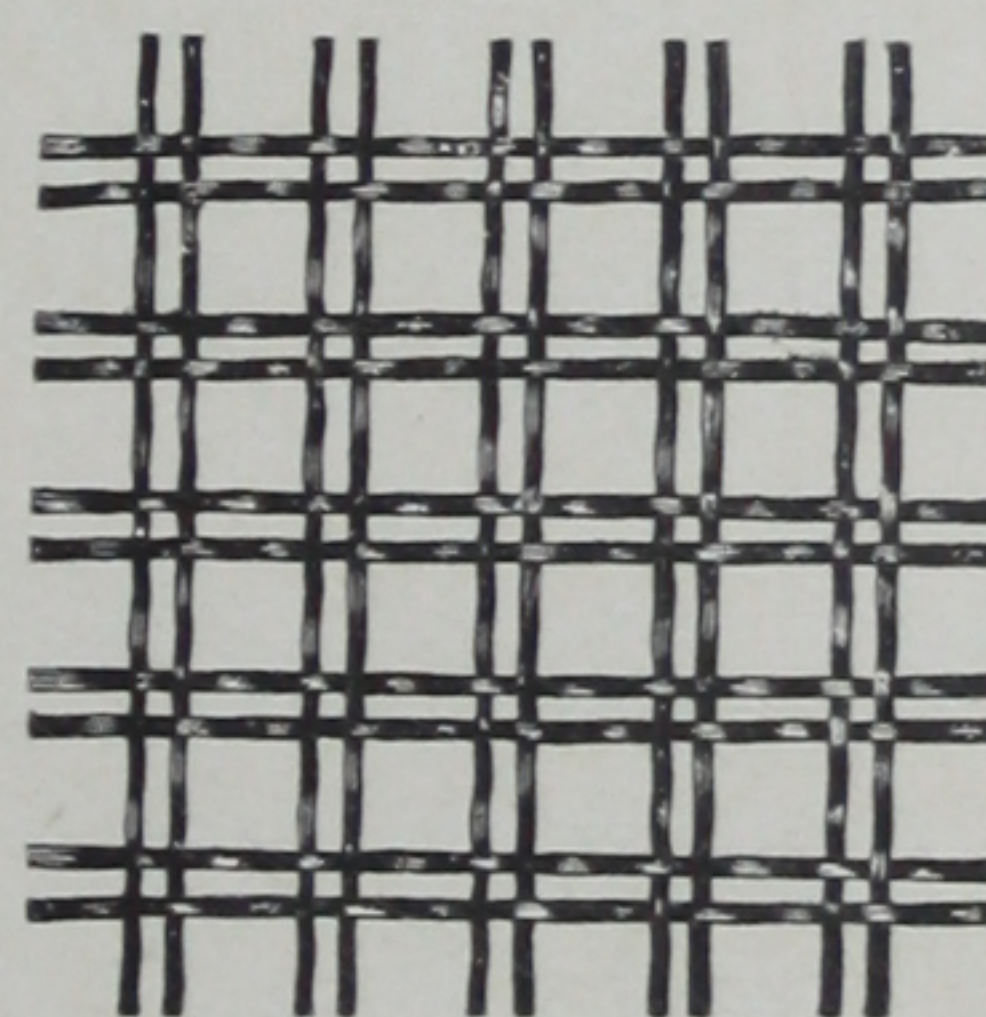
Flat Iron Work,  
No. 301.



Flat Iron Work,  
No. 54.



Flat Iron Work,  
No. 303.



Flat Iron Work,  
No. 56.

The above illustrations show the various forms of Plain and Ornamental Wire and Flat Iron Work which we are constantly manufacturing.

Other designs manufactured to the requirements of our clients



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Richard Johnson, Clapham & Morris, Ltd., Manchester

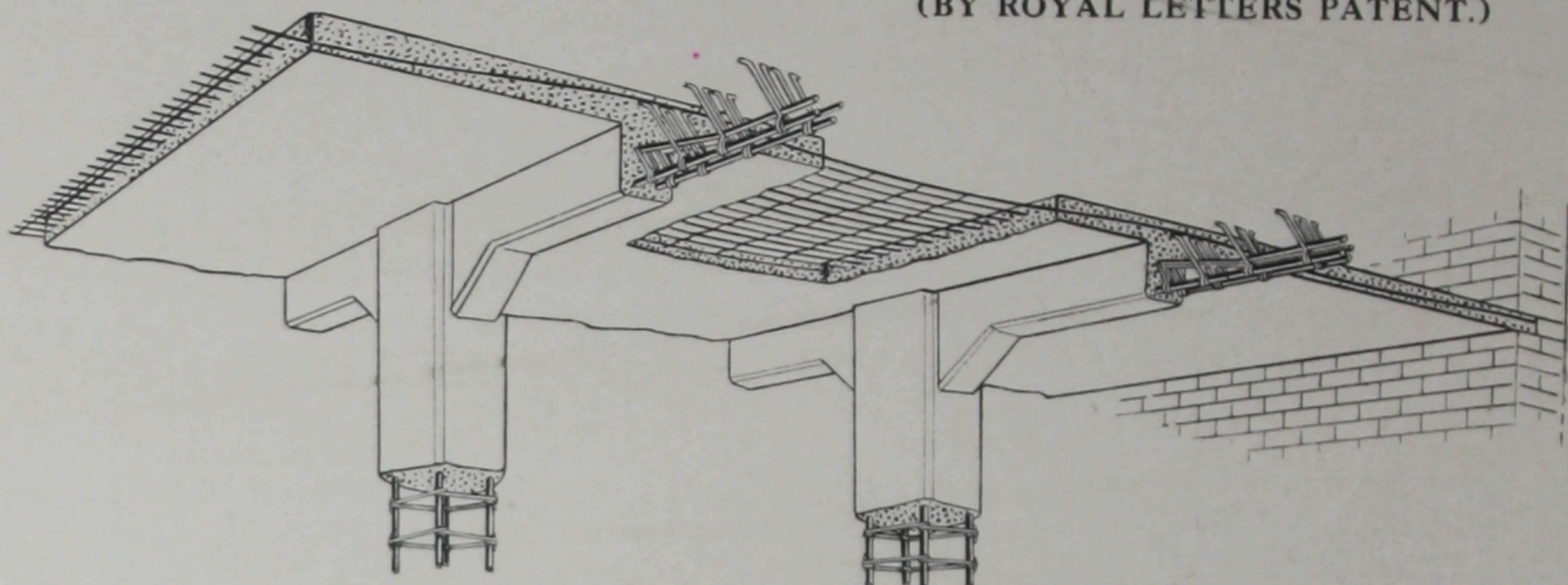
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COMPLETE STRUCTURES  
OF EVERY DESCRIPTION IN Reinforced Concrete

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# JOHNSON'S Lattice & "Keedon" System

(BY ROYAL LETTERS PATENT.)



Floor, Beam and Column Construction

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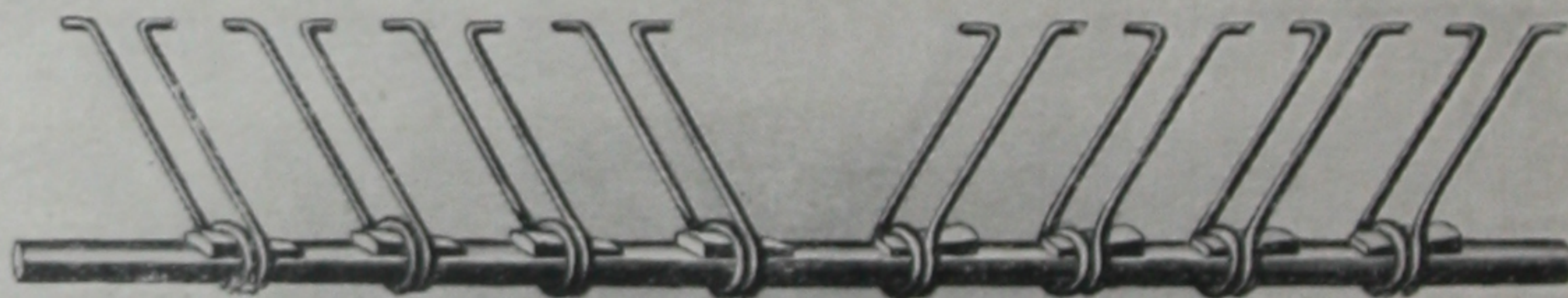
The services of our Engineers are at the disposal of all Architects, Engineers, Builders, Contractors, and others.

We undertake to supply, free of charge, Drawings and Estimates for all prospective work.

We have a large staff of Expert Reinforced Concrete Engineers engaged upon the designs of Reinforced Structures, Buildings, etc.

Our system of Reinforced Concrete Construction has been embodied in many of the most important buildings in the country.

Hundreds of examples for reference. Write for our Reinforced Concrete Catalogue.



The "KEEDON" Reinforcing Bar.

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Address all communications to Reinforced Concrete Department.



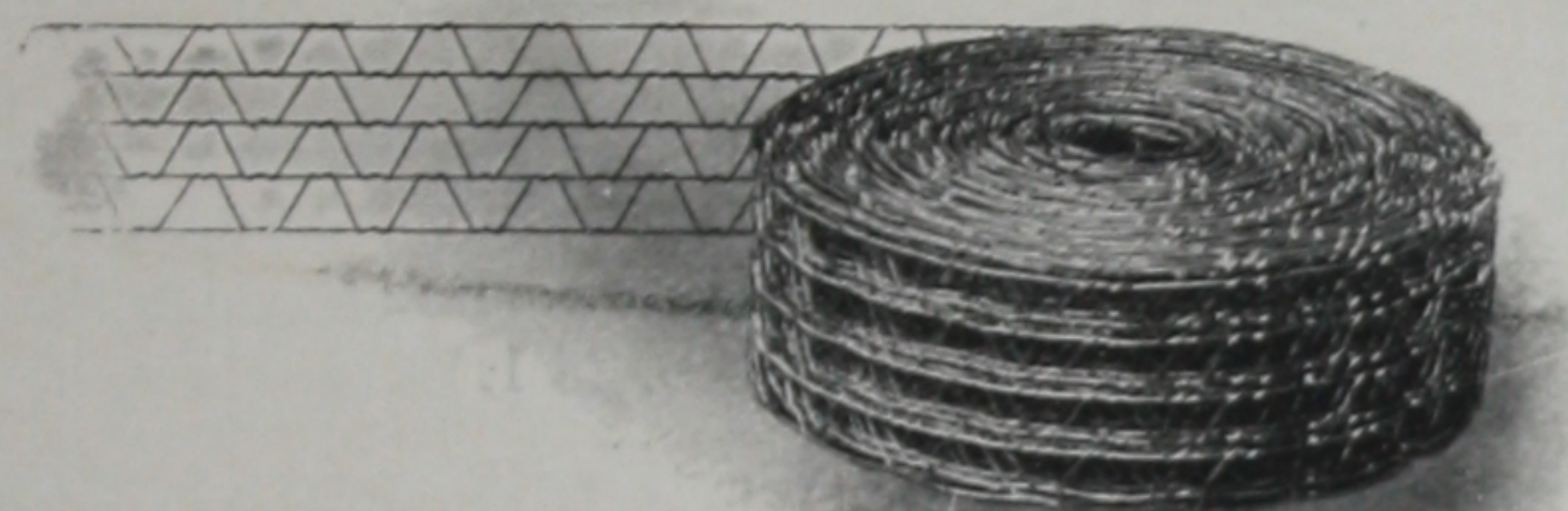
# Reinforced Brickwork (By Royal Letters Patent.)

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## “BRICKTOR”

(Registered Trade Mark)

## Wall Reinforcement



Specified by H.M. Government Departments, the leading Railway Companies, etc.

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REDUCES COST

INCREASES STRENGTH

INCREASES FLOOR AREA

---

**T**HIS Patent Reinforcement is made of Siemen's Steel Wire and is manufactured in two standard widths, viz.: 2in. for 3in. brick-on-edge walls and 2½in. for 4½in. walls or upwards. The 2in. has four, and the 2½in. has five, straight tension wires, held in position by binding wires which form a triangular shaped mesh, and is made in 25 yard rolls. When this Patent Reinforcement is embedded in the joints of the brickwork, it gives to it a tensional resistance which enormously increases the strength of the wall.

We are prepared to submit Drawings and Specifications, free of charge, showing the application of “BRICKTOR” Wall Reinforcement.

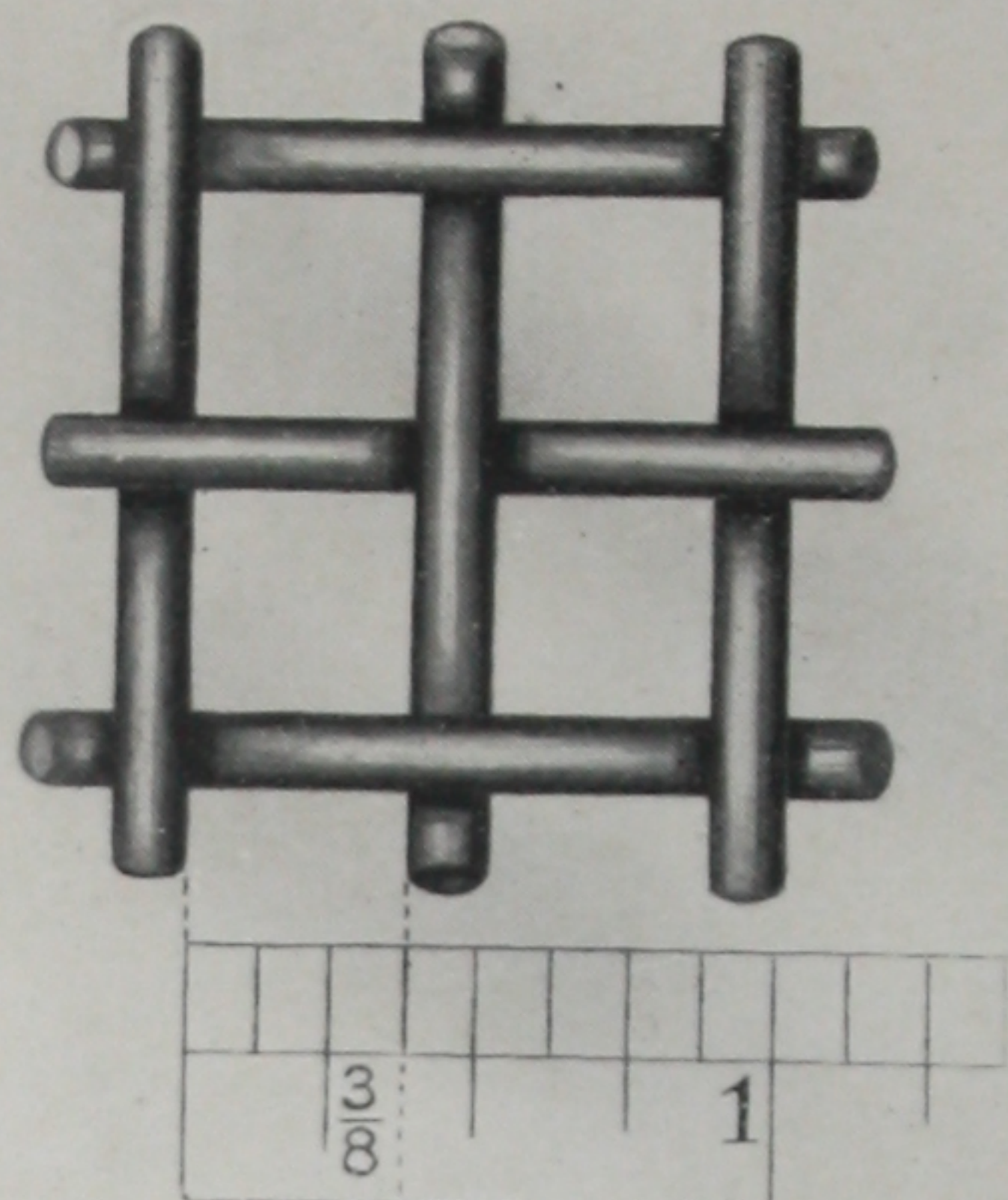
Write for fully illustrated catalogue, which embodies numerous examples and full particulars of the world-famous system for reinforcing brickwork.



## Heavy Woven Wire

Made from Steel Wire of the highest grade, possessing great Tensile Strength.

From 2in. space to  $\frac{1}{8}$ in. space.

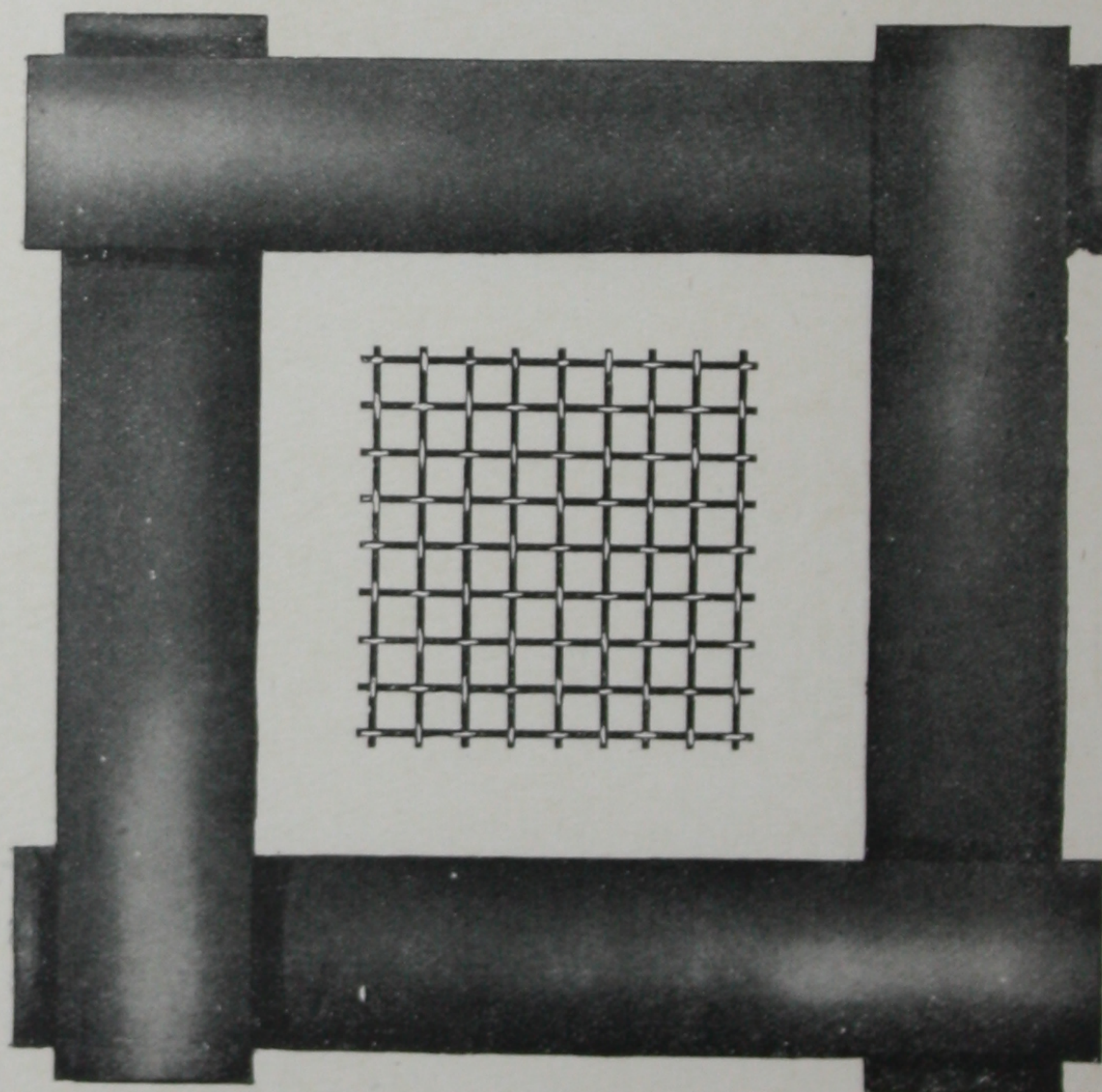


WE manufacture a very complete range of Heavy Steel Woven Wire from 2in. space down to  $\frac{1}{8}$ in. space. In this section of Woven Wire space is the standard of measurement, space being the actual size of opening between rods or wires as shown.

Below we illustrate examples of the heaviest and lightest Woven Wire which we manufacture in the Space Section, the heaviest being the 2in. space from  $\frac{5}{8}$ in. rod, and the lightest  $\frac{1}{8}$ in. space from No. 28 I.W.G.

For finer meshes refer to following page.

Example shows  $\frac{3}{8}$ in. space between wires.

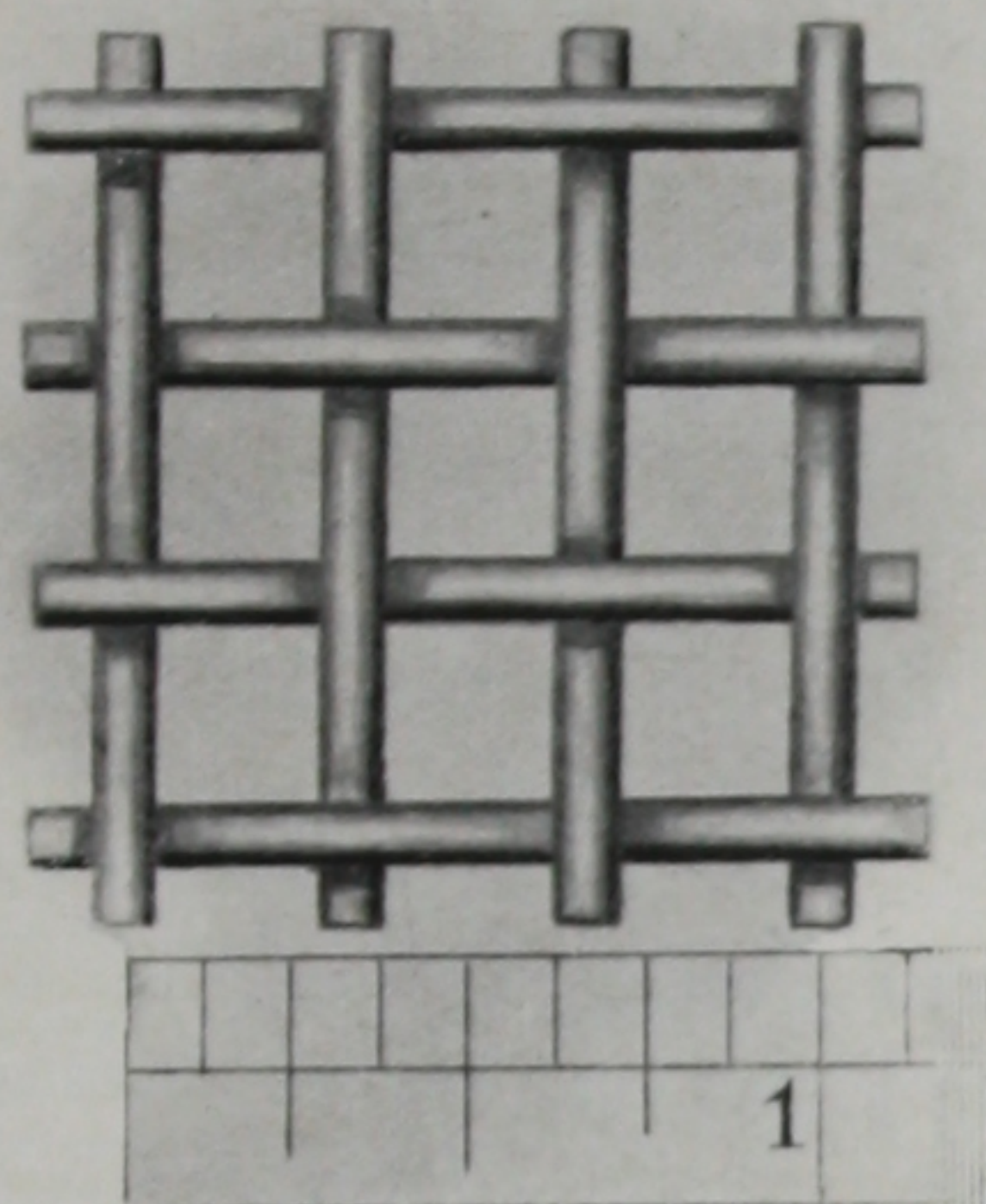




## Woven Wire

In Steel, Galvanized and Tinned Steel, Phosphor Bronze, Aluminium, Brass, Copper, and Tinned Brass and Copper.

From 2 mesh to 200 mesh.



Example shows 3 mesh to inch.

**WE** manufacture a full range of Woven Wire from 2 mesh to 200 mesh in all the standard gauges common to the various meshes. In this section of Woven Wire mesh is the standard, the number of meshes per lineal inch being measured from centre to centre of wires as shown in the above illustration.

Below we illustrate examples of the finest and coarsest Woven Wire which we manufacture in the Mesh Section of our products. We supply material to any specification within these limits.

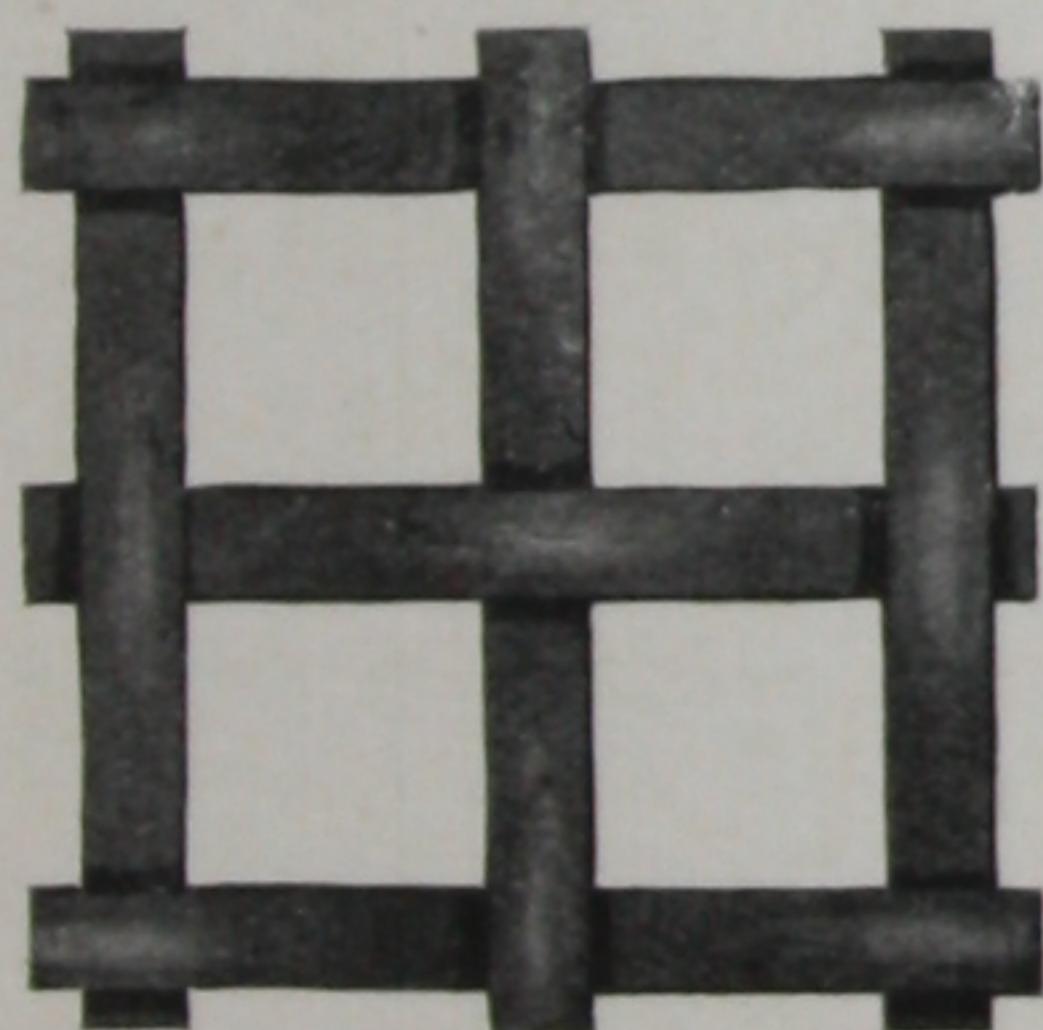


Illustration of 2 mesh.

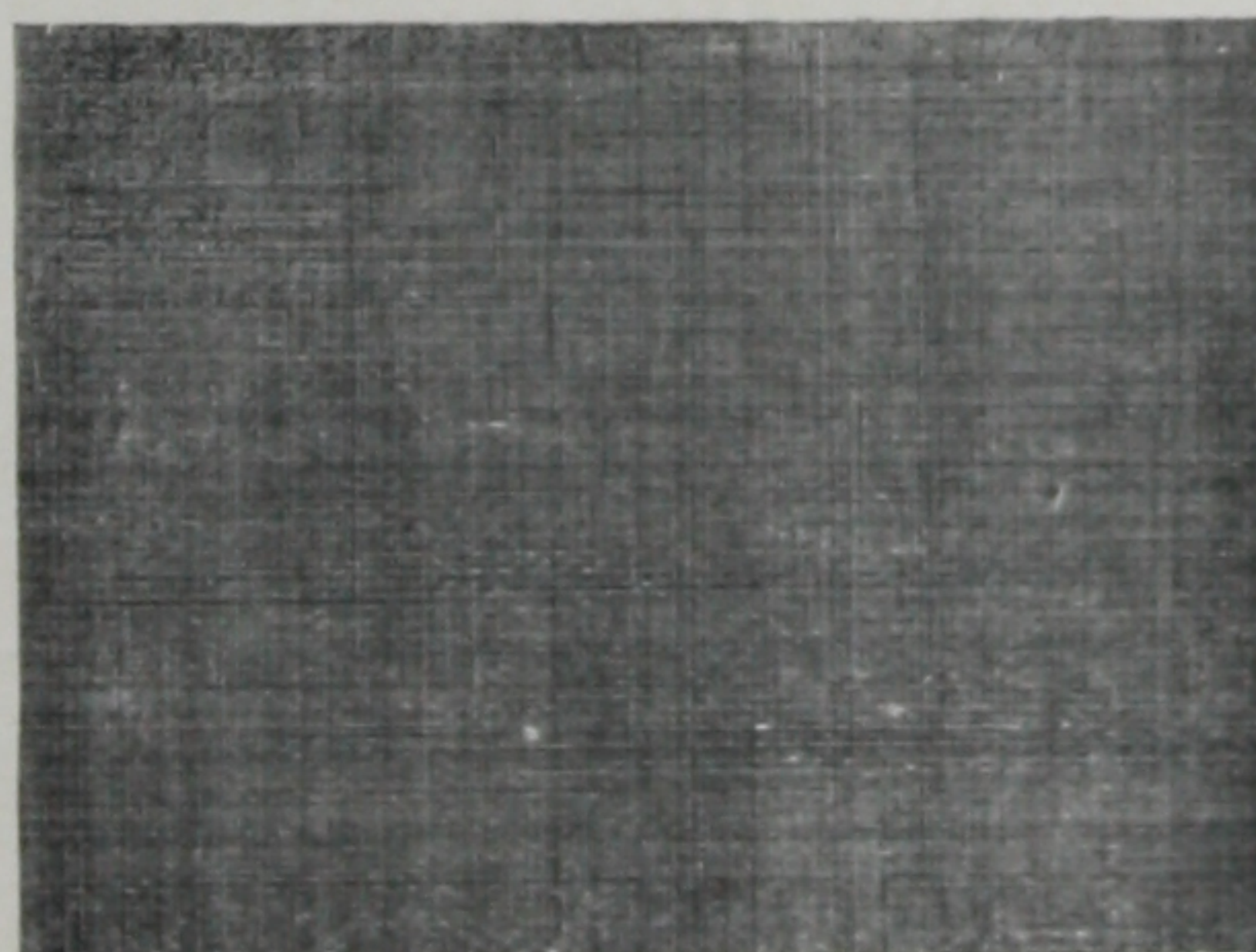


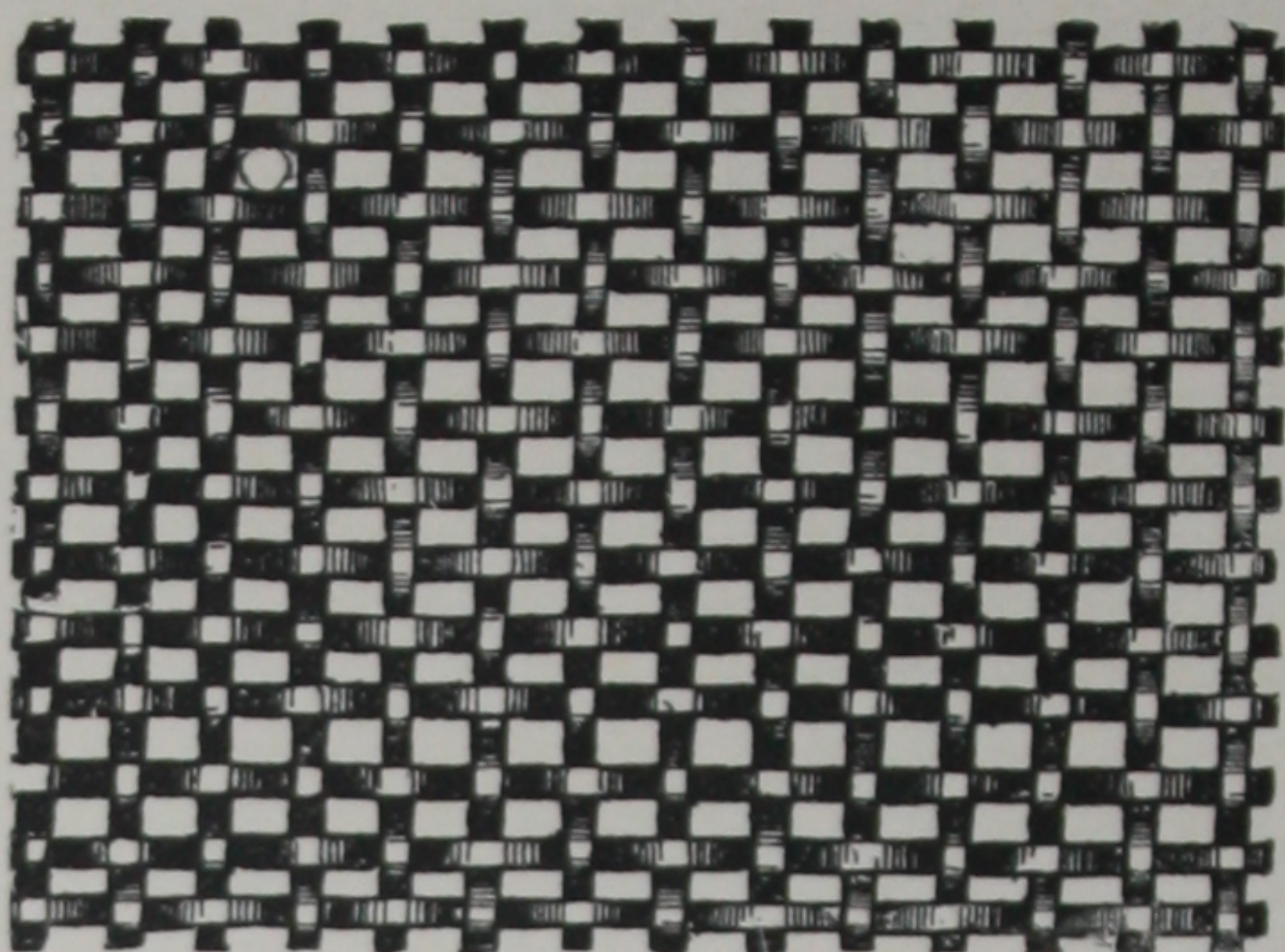
Illustration of 200 mesh.

For Heavy Steel Woven Wire see previous page.



## Special Woven Wires

Kiln and Smut Steel Woven Wire,



For Malt Kiln Floors,  
Screening, etc.

Manufactured in the following sizes:

6 × 7 Mesh, in Round Wire, Round and Square Wire, Square and Square Wire, in from 15 and 16 I.W.G. to 18 and 19 I.W.G.

6 × 8 Mesh, in Round Wire, Round and Square Wire, Square and Square Wire, in from 16 and 17 I.W.G. to 18 and 19 I.W.G.

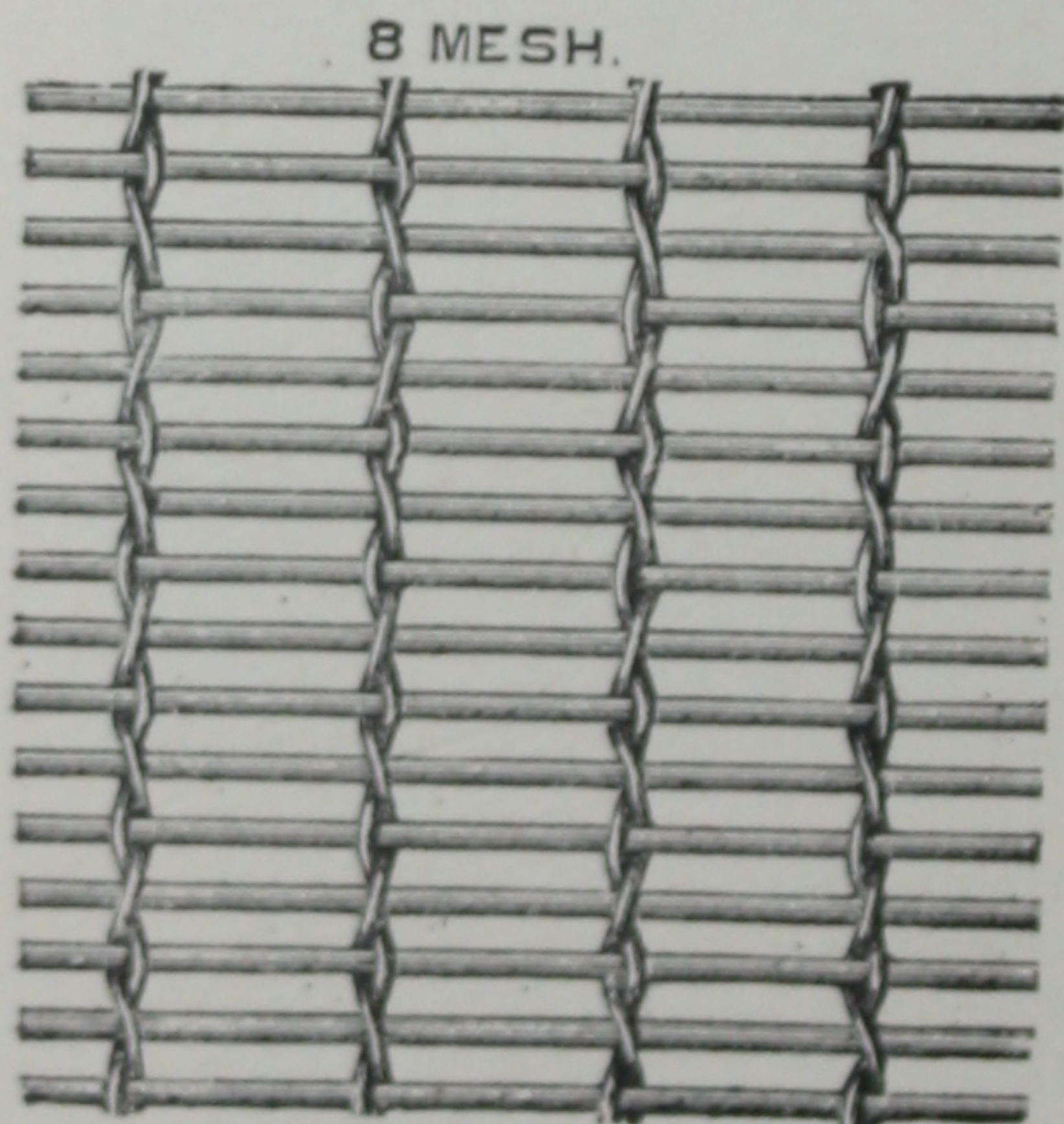
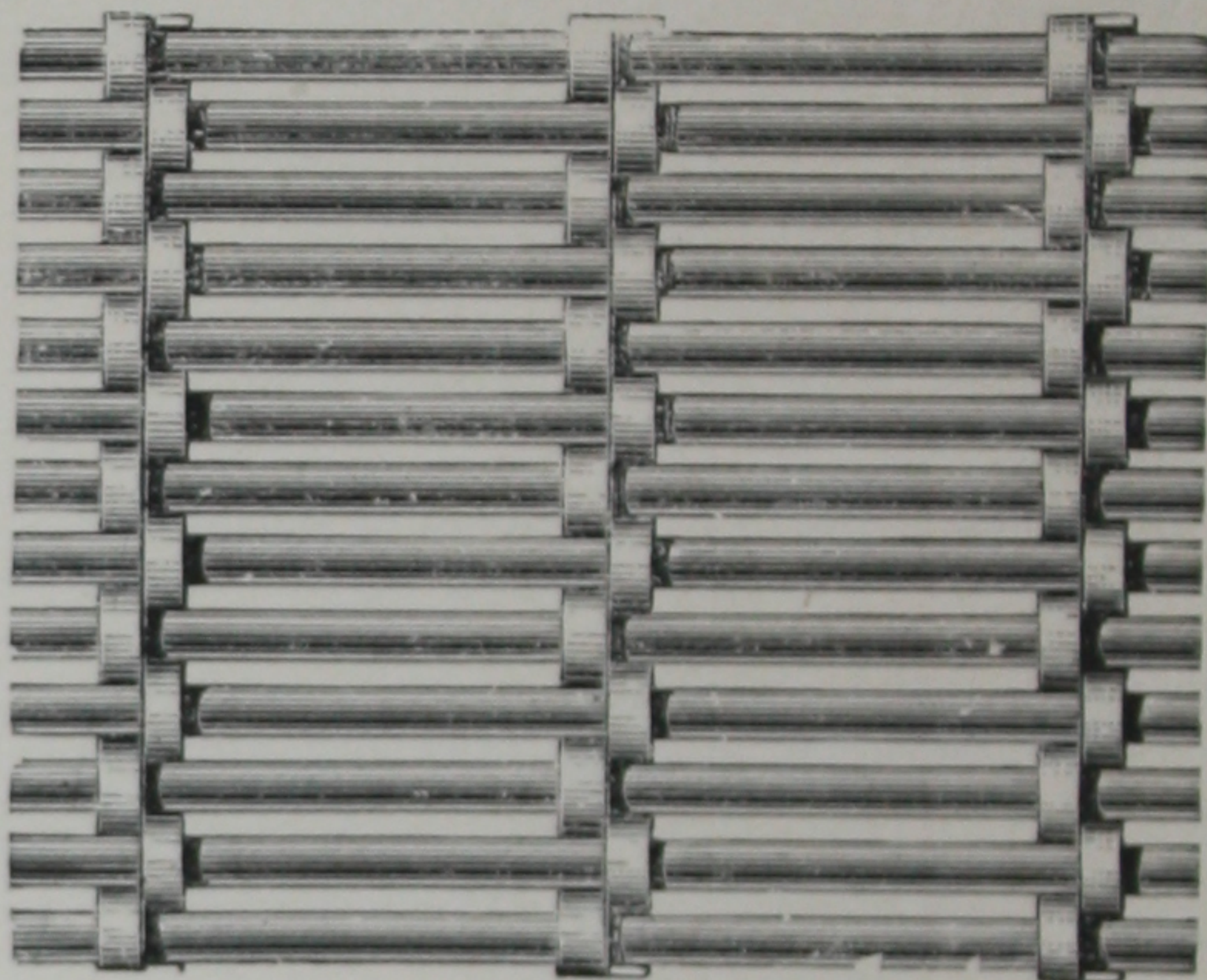
Malt Kiln Floors manufactured, seamed and delivered complete, ready for fixing in position.

### Blower Web

With flat warp and round shoots  
for woollen mills.

Mesh 1 × 12. Gauge 12.

Made from strong Steel Wire,  
plain, galvanized or tinned.



### Blower Web

for Scutchers.

Mesh 2 × 8. Gauge 16 and 20's.

Made from strong Steel Wire.

We are prepared to supply these materials  
to any required specification.

Made also in Brass and Copper, plain or  
tinned.



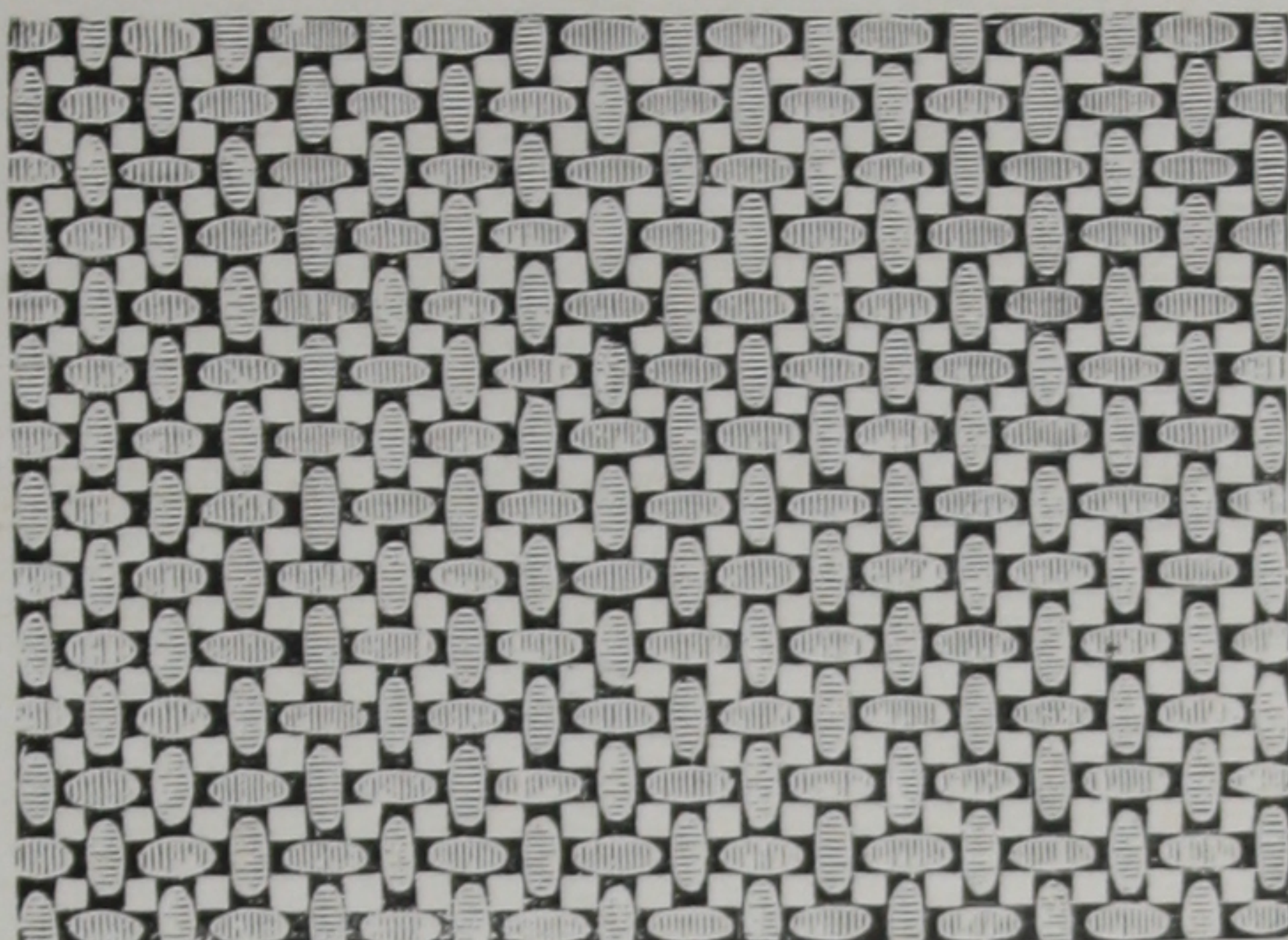
## Special Woven Wires

Special Rolled Steel Woven Wire.

For Malt Kiln Floors, Mine  
Screening, etc.

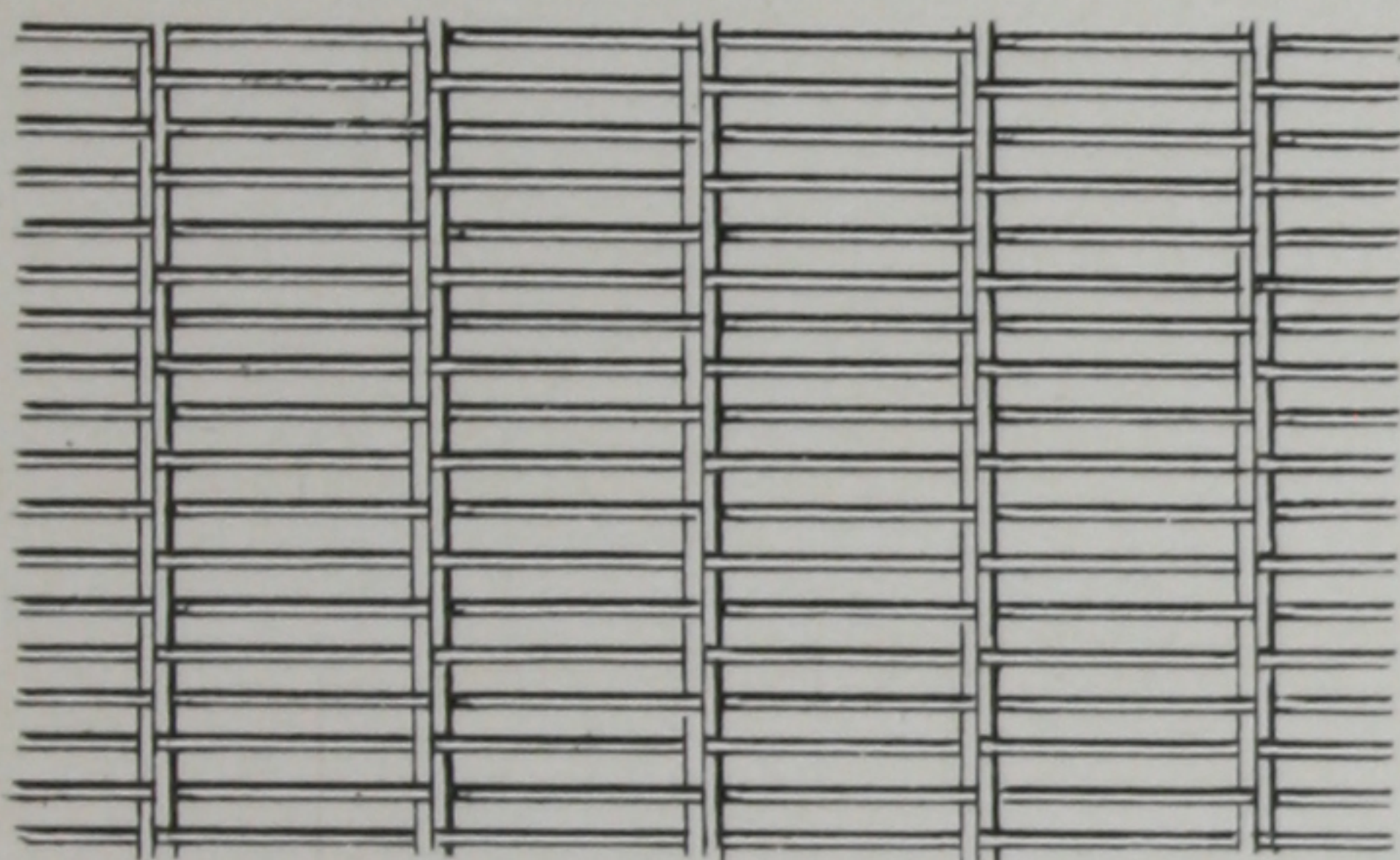
THE surface of this material being flattened by rolling, provides an absolutely smooth face, offering no obstruction to shovelling, etc., and at the same time gives a much greater drying area than perforated sheet iron or steel.

Manufactured in from  $6 \times 6$  mesh to  $10 \times 10$  mesh, in all the standard gauges common to the various meshes.



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## Oblong Mesh Woven Wire



For Grain Screening, etc.

MADE in Steel, Galvanized and Tinned Steel, Brass, Copper, and Tinned Brass and Copper.

Manufactured in from  $1 \times 2$  mesh to  $4 \times 24$  mesh, in all the standard gauges common to the various meshes.

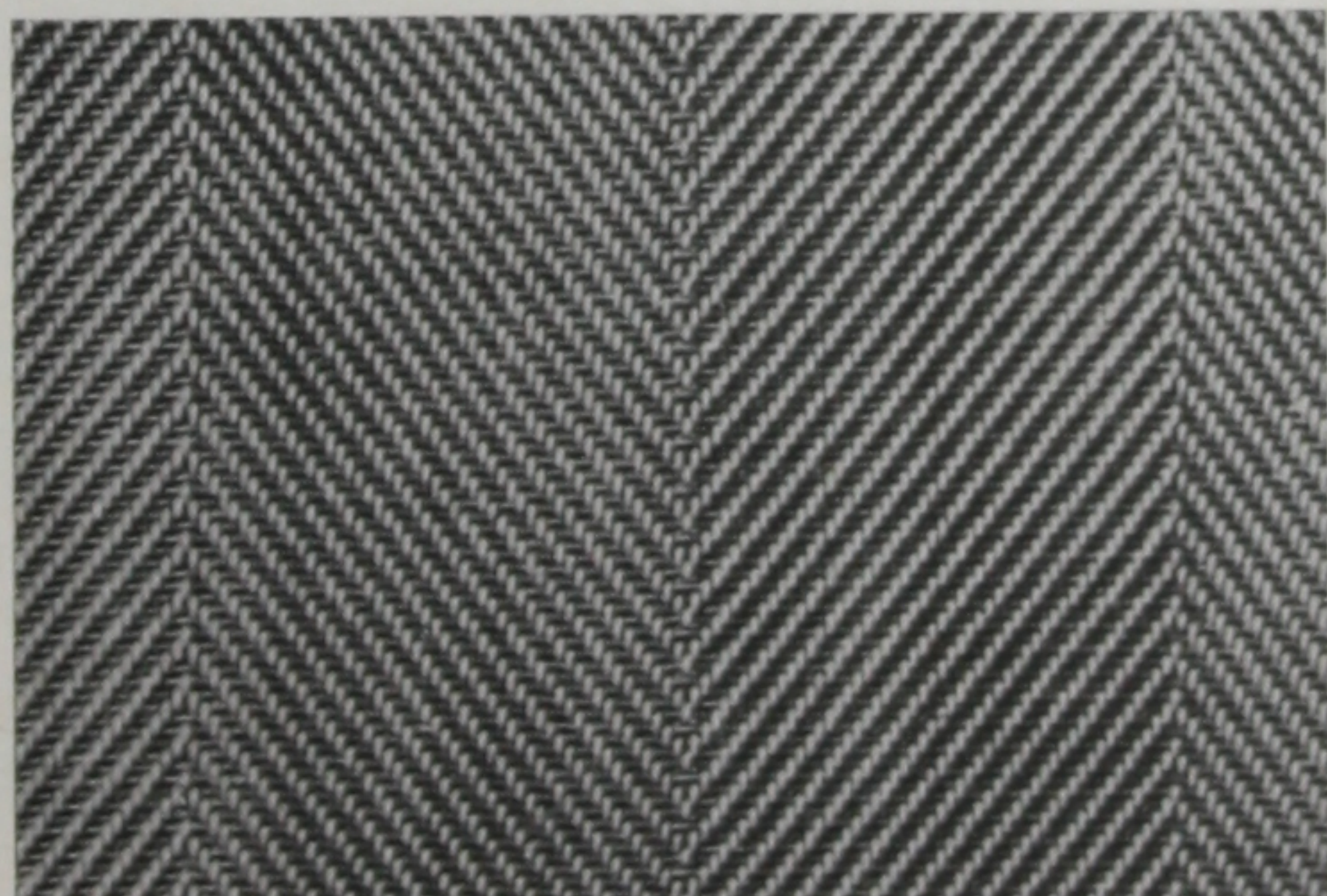
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## Twilled Woven Wire

For various Trade Purposes.

MADE in Steel, Galvanized and Tinned Steel, Brass, Copper, Tinned Brass & Copper.

Manufactured in from 12 mesh to 60 mesh, in all the standard gauges common to the various meshes.



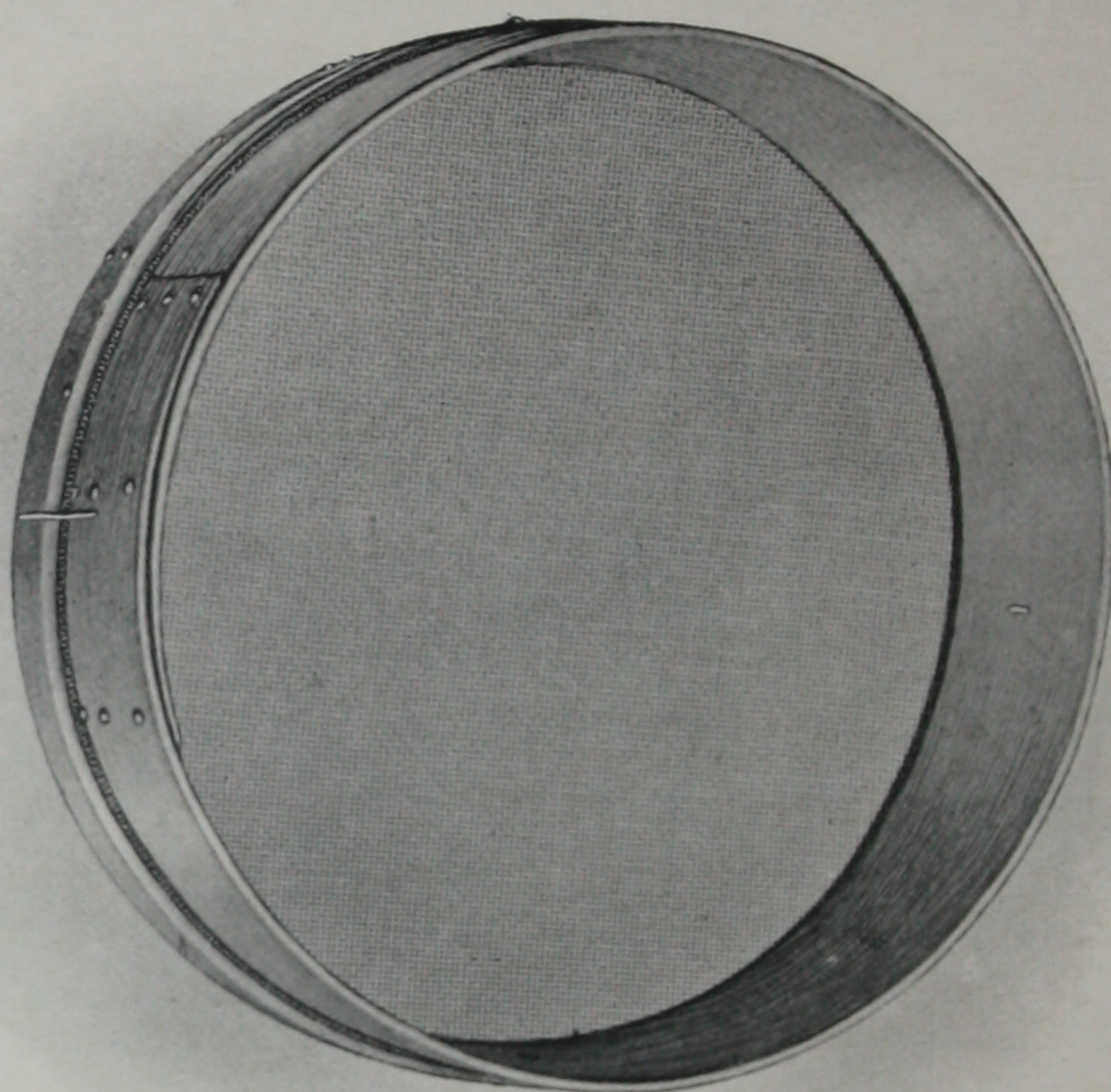


# Strong Wire Sieves and Riddles

For Iron and Brass Foundries,  
Engineers, Chemical Works, Colour Works, Etc.

In all the Standard Sizes, Meshes and Gauges.

Made from Steel (Plain or Galvanized), Copper or Brass (Plain or  
Tinned).



We manufacture Sieves or Riddles for many of the Leading Industries,  
and have a thorough knowledge of the various Trade Requirements.

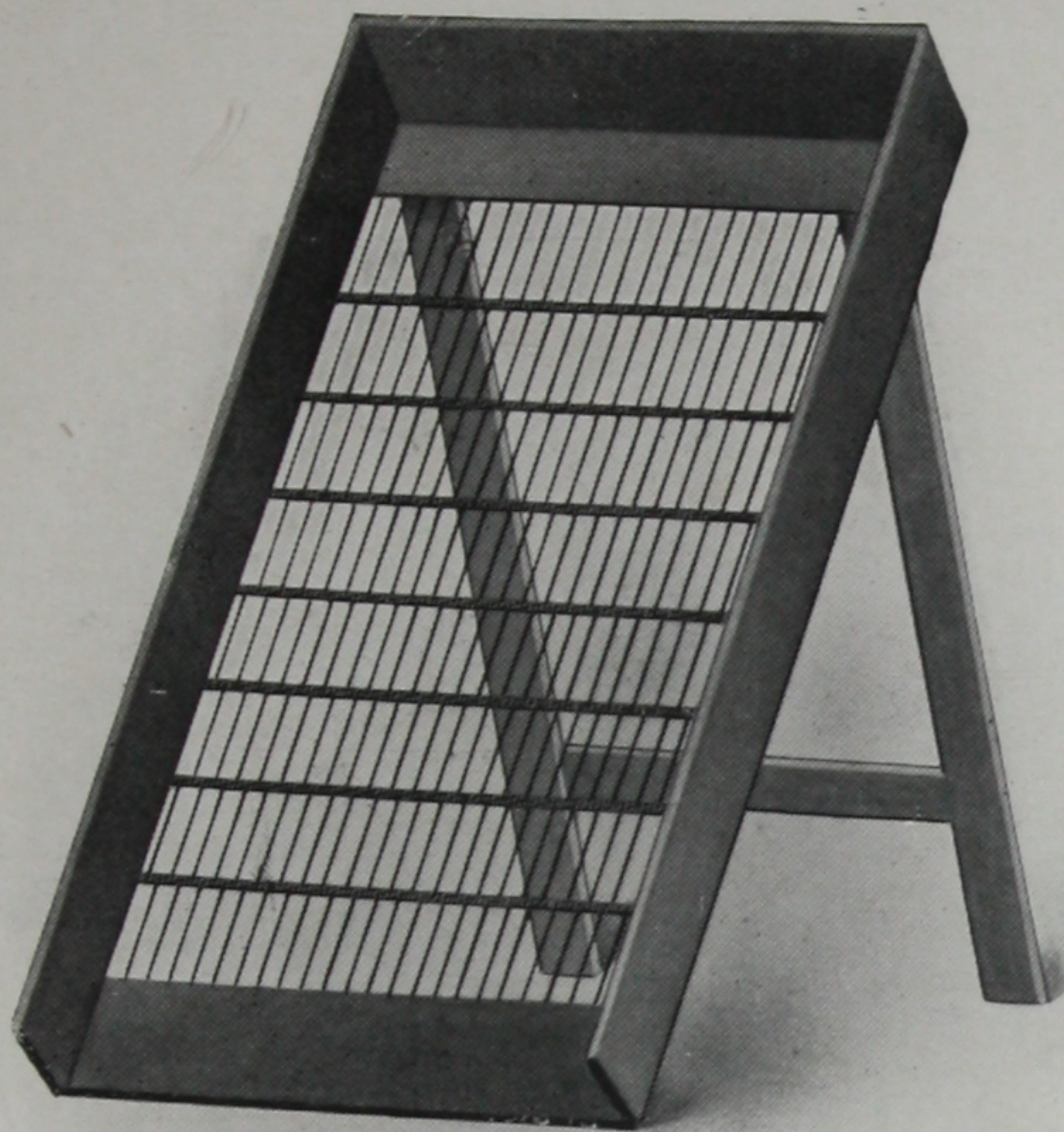
Quotations on receipt of enquiries.



## Sand, Gravel and Lime Screens In Looped Pattern Wire Work.

Made from Steel Wire.

With Strong Hard Birch Frames.

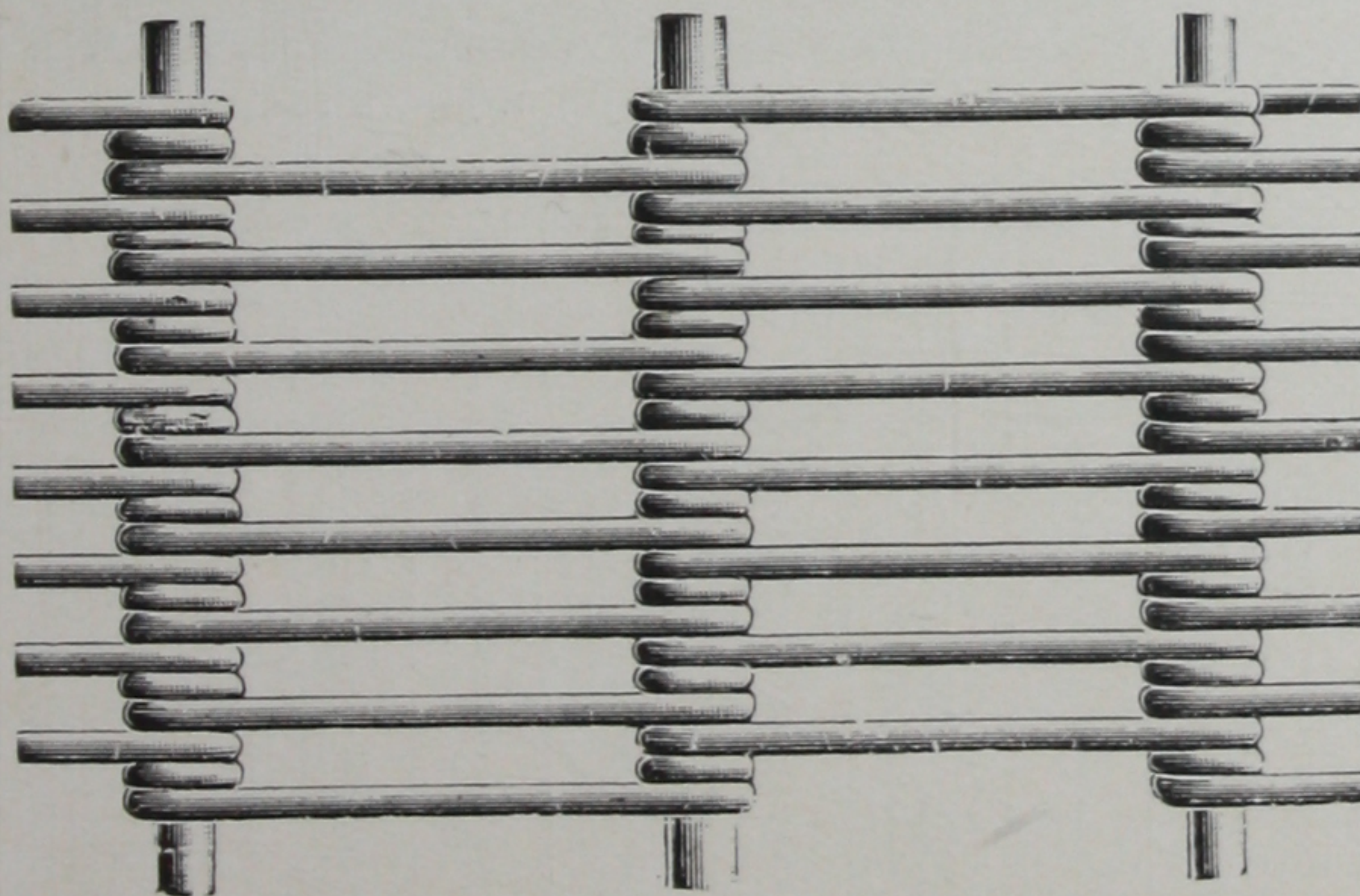


No. 344. Made  $\frac{1}{4}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$  and 1in. Mesh, with Hard Birch Frames  $1\frac{1}{2}$ in. thick and 6in. deep.

The above Screens are made in the following Standard Sizes:

27in. wide	...	5ft. high.	33in. wide	...	6ft. high.
30in. ,,	...	$5\frac{1}{2}$ ft. ,,	36in. ,,	...	$6\frac{1}{2}$ ft. ,,

We also supply the Wire Work for these Screens without Frames.

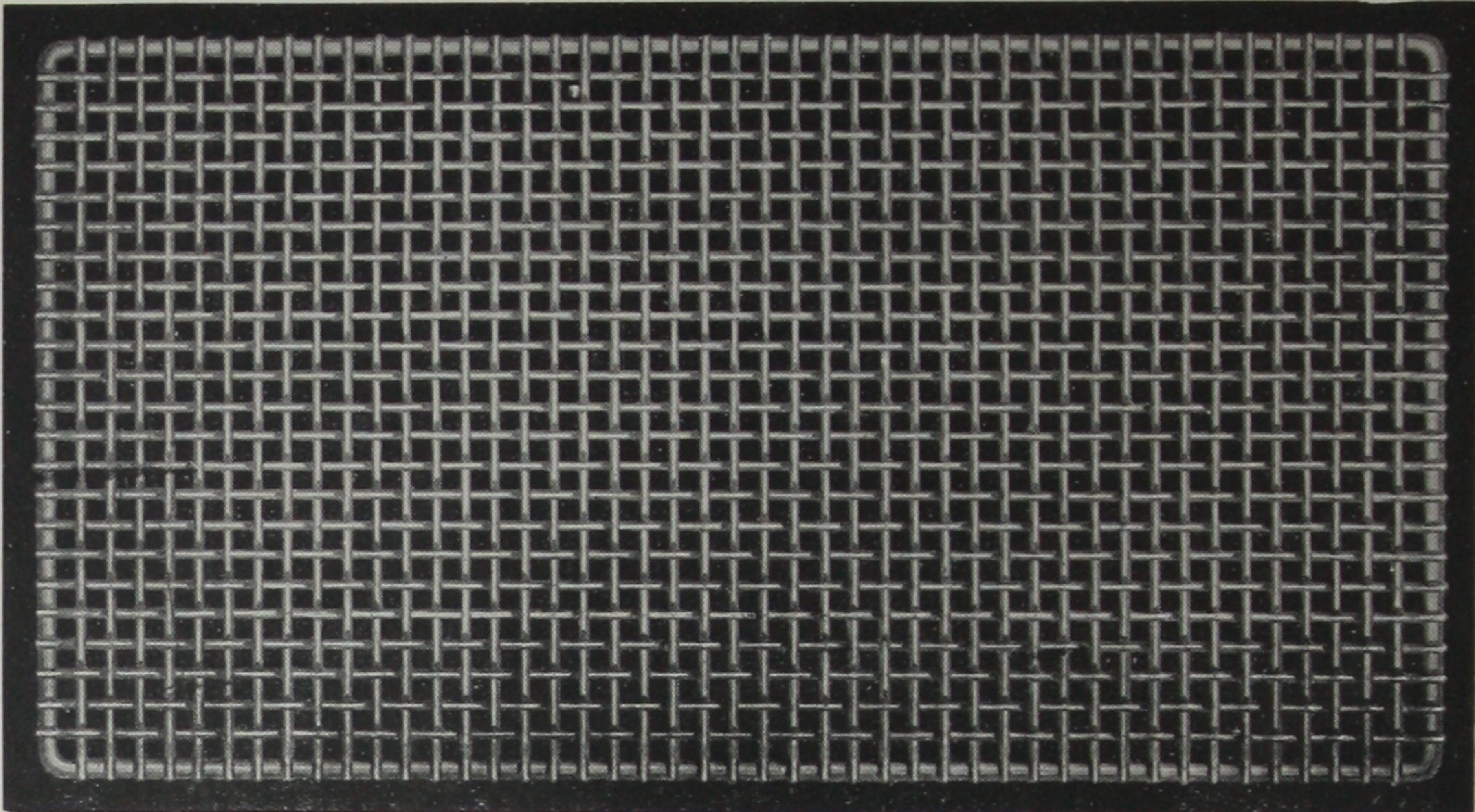


This Illustration shows Method of Looping.

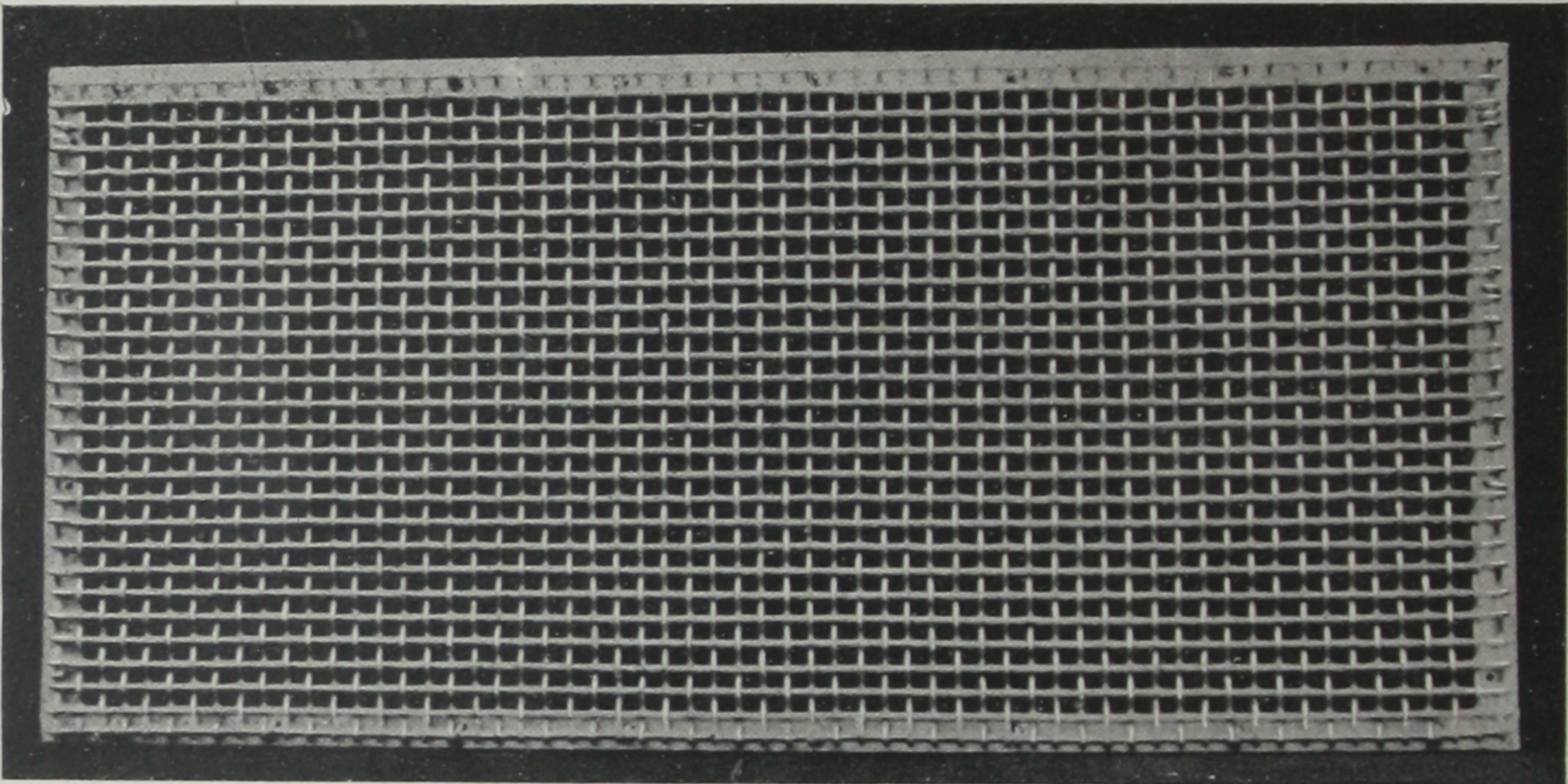


Steel Wire Screens

Made from Round or Square Steel Rods or Wire.



Type A. Made with 3/4 in. Round Iron Frame.



Type B. Made with 1 1/2 in. x 3/4 in. Frame.

Made to various Specifications as Tabulated.

Space	Dia. of Rod or Wire	Space	Dia. of Rod or Wire	Space	Dia. of Rod or Wire	Space	Dia. of Rod or Wire	Space	Dia. of Rod or Wire	Space	Dia. of Rod or Wire	Space	Dia. of Rod or Wire
ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
2	.625	1 3/4	.252	1 1/4	.252	1	.160	5/8	.232	1 1/2	.176	3/8	.128
2	.500	1 3/4	.212	1 1/4	.212	1	.144	5/8	.212	1 1/2	.160	3/8	.116
2	.400	1 3/4	.192	1 1/4	.192	3/4	.252	5/8	.192	1 1/2	.144	3/8	.104
2	.300	1 1/2	.300	1 1/4	.176	3/4	.232	5/8	.176	1 1/2	.128	1/4	.144
2	.252	1 1/2	.252	1 1/4	.160	3/4	.212	5/8	.160	1 1/2	.116	1/4	.128
2	.212	1 1/2	.212	1	.300	3/4	.192	5/8	.144	1 1/2	.104	1/4	.116
2	.192	1 1/2	.192	1	.252	3/4	.176	5/8	.128	1 1/2	.192	1/4	.104
1 3/4	.500	1 1/2	.176	1	.212	3/4	.160	1 1/2	.232	5/8	.176		
1 3/4	.400	1 1/2	.160	1	.192	3/4	.144	1 1/2	.212	5/8	.160		
1 3/4	.300	1 1/4	.300	1	.176	3/4	.128	1 1/2	.192	5/8	.144		

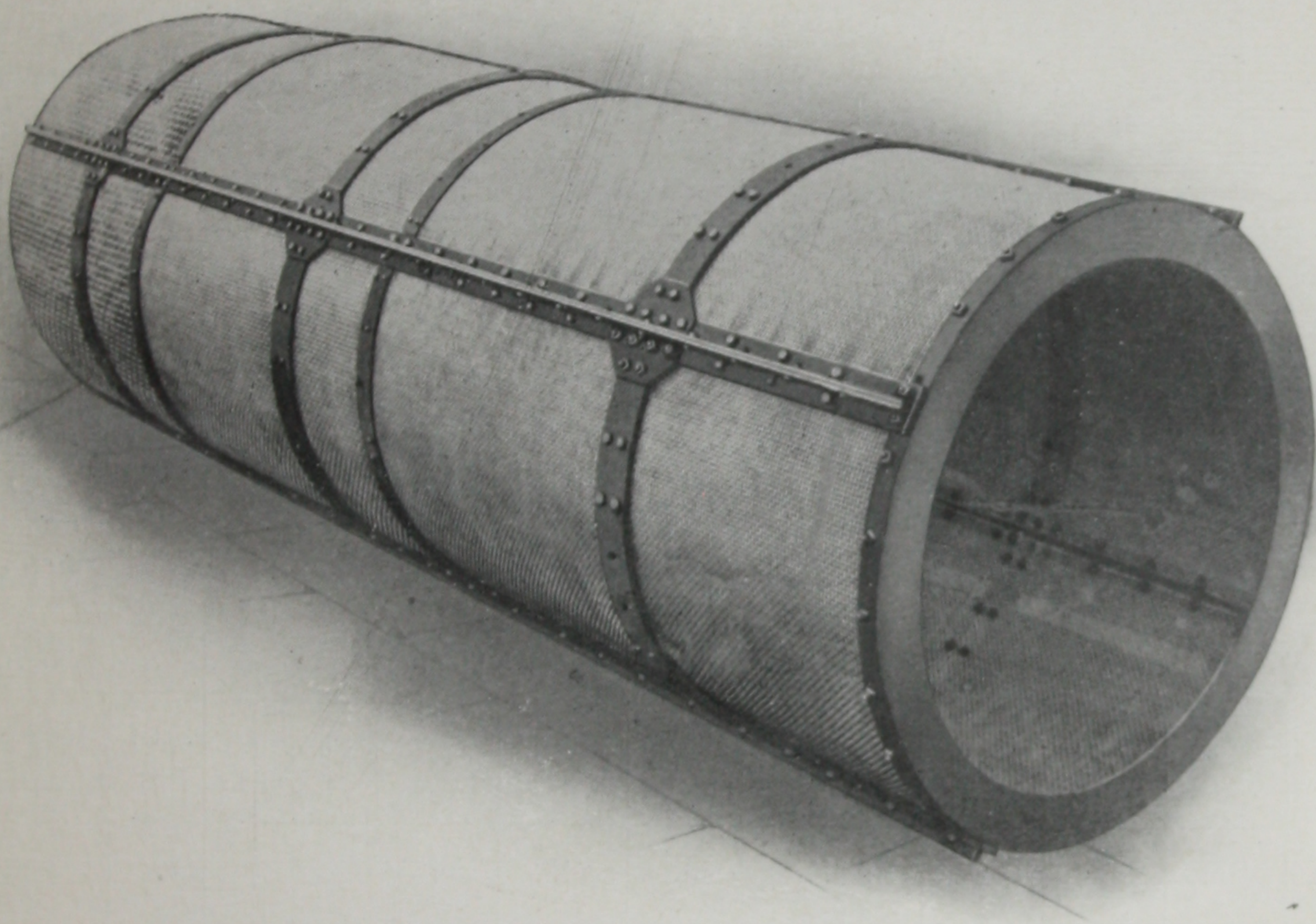
Quotations submitted on receipt of Enquiries giving Specifications,



## Revolving Screens

For Collieries, Quarries, Stone Breaking Plants, Etc.

Made from Strong Steel Wire in all Meshes and Strengths.



Screens Graded as above can be made to any Specification, embodying Meshes tabulated on the previous page, or to any Special Specification required.

Prices on Application.

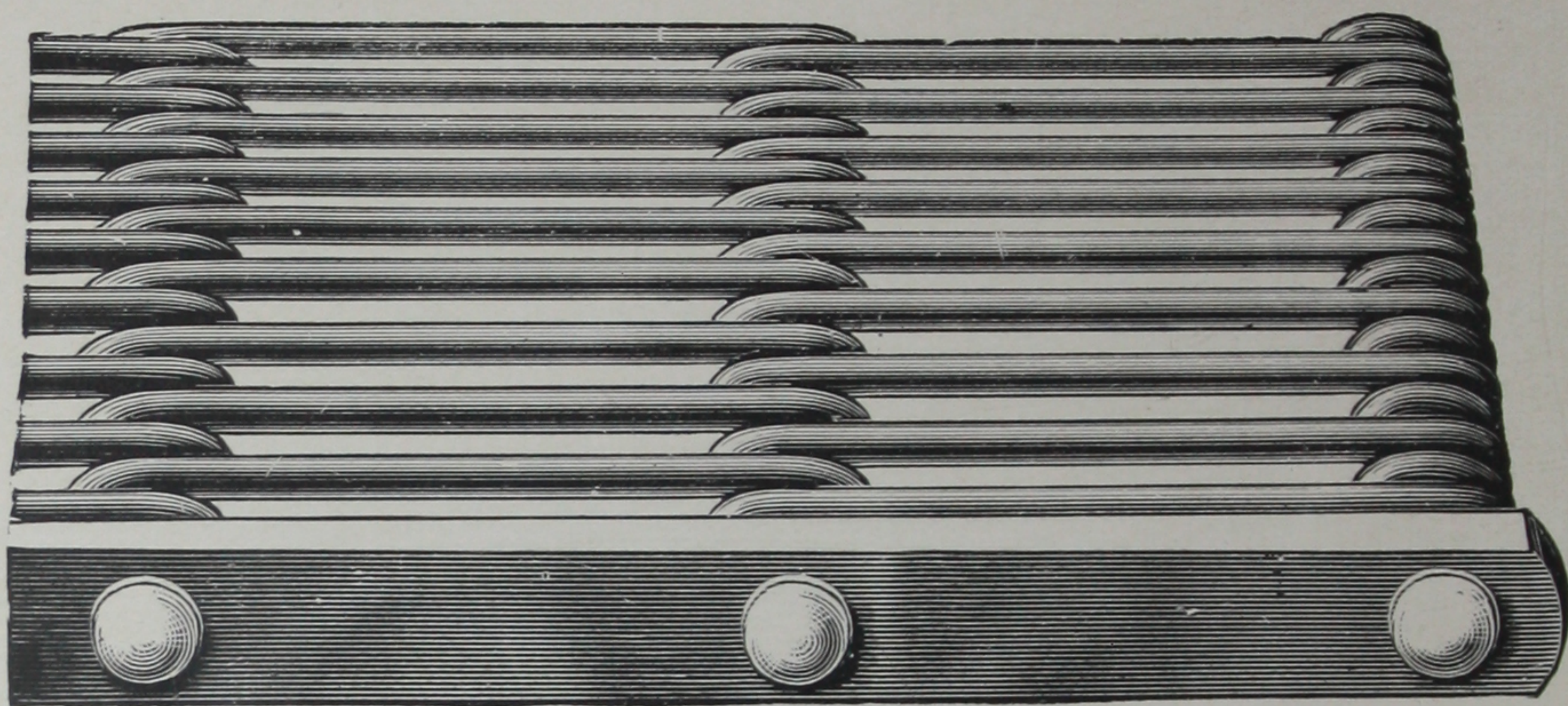


# Steel Wire Looped Screens

With Strong Flat Iron Plates on Sides.

Supplied to many of the Leading Collieries in England and Wales.

This class of Screen presents a smooth surface to the Coal, thereby reducing the breakage of the Coal to a minimum.



Made to various Specifications as Tabulated.

Space Between Wires.	Gauge of Wire.	No. of Loops.	Diameter of Cross Bars.	Distance of Bars about	Space Between Wires.	Gauge of Wire.	No. of Loops.	Diameter of Cross Bars.	Distance of Bars about
$\frac{1}{4}$ in.	No. 10	2	$\frac{3}{8}$ in.	5 in.	$\frac{5}{8}$ in.	No. 5	3	$\frac{5}{8}$ in.	5 in.
$\frac{1}{4}$ in.	,, 3	1	$\frac{5}{8}$ in.	5 in.	$\frac{3}{4}$ in.	,, 6	4	$\frac{1}{2}$ in.	5 in.
$\frac{3}{8}$ in.	,, 10	3	$\frac{3}{8}$ in.	5 in.	$\frac{3}{4}$ in.	,, 3	3	$\frac{5}{8}$ in.	5 in.
$\frac{3}{8}$ in.	,, 6	2	$\frac{1}{2}$ in.	5 in.	$\frac{7}{8}$ in.	,, 5	4	$\frac{5}{8}$ in.	5 in.
$\frac{1}{2}$ in.	,, 8	3	$\frac{1}{2}$ in.	5 in.	$\frac{7}{8}$ in.	,, 2	3	$\frac{5}{8}$ in.	5 in.
$\frac{1}{2}$ in.	,, 3	2	$\frac{5}{8}$ in.	5 in.	1 in.	,, 3	4	$\frac{5}{8}$ in.	5 in.
$\frac{5}{8}$ in.	,, 7	4	$\frac{1}{2}$ in.	5 in.	1 in.	$\frac{3}{16}$ in.	3	$\frac{3}{4}$ in.	5 in.

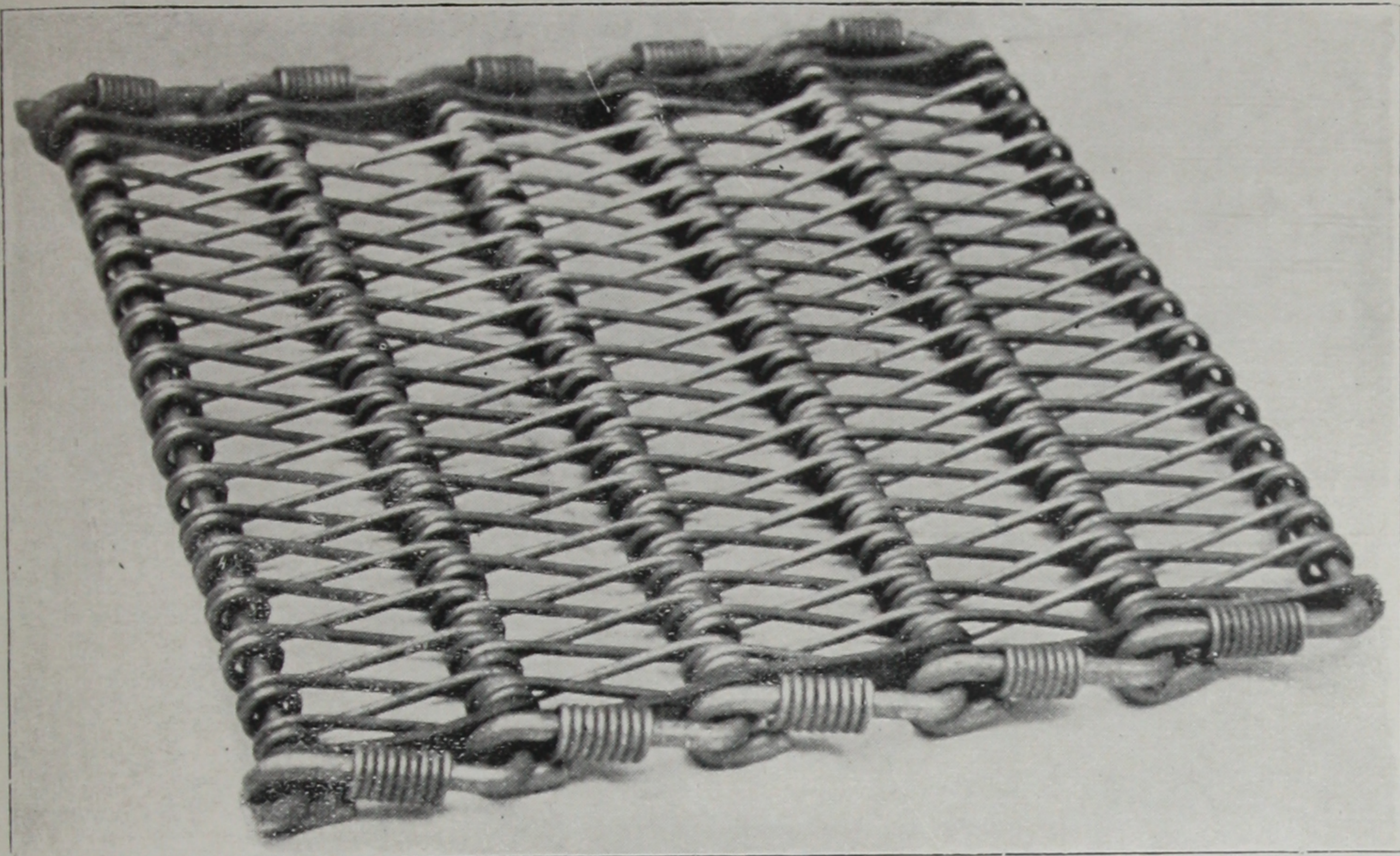
Special Quotations will be submitted upon receipt of Enquiries giving Specifications.

When Ordering state which Measurement is the Length.



## Standard Open Coal Picking Belt

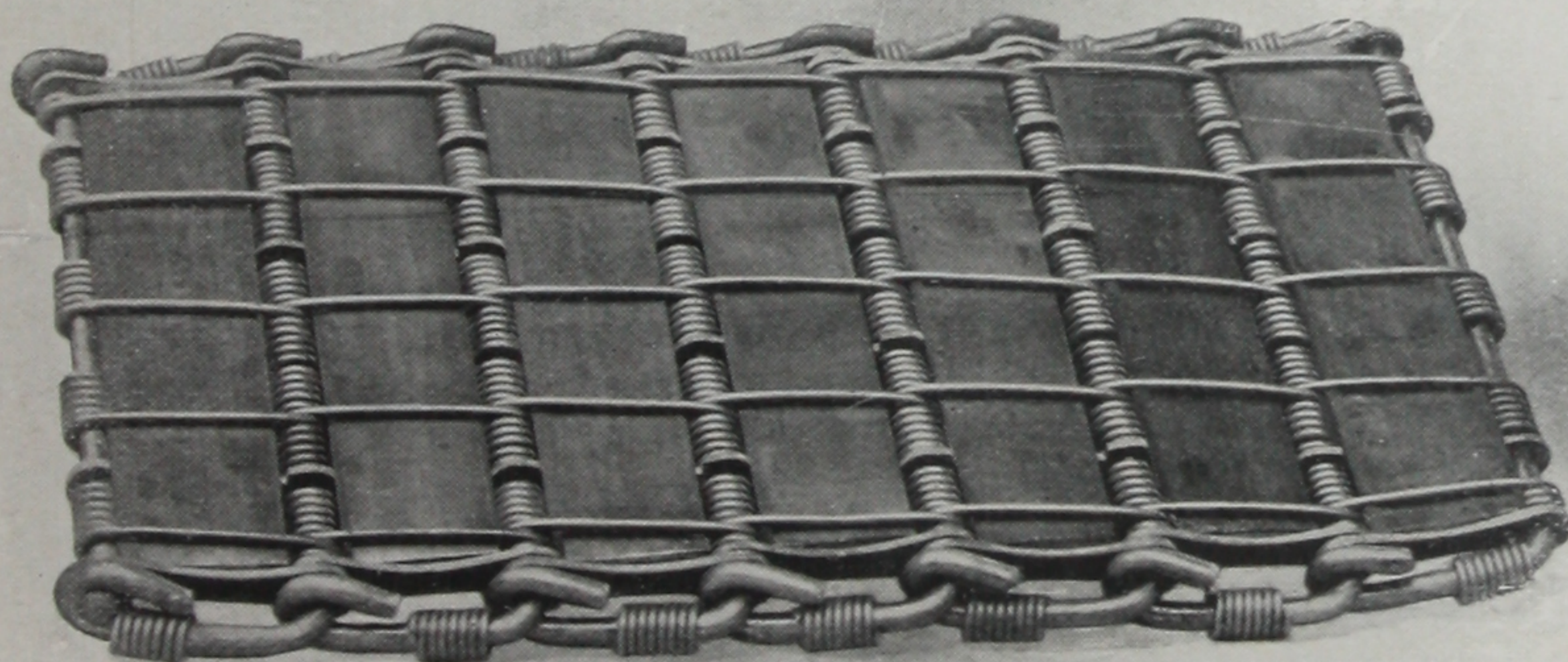
Made from Steel Wire, with Johnson's Improved Selvages.



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## Blind Conveyor Belt

Made from Steel Wire, with Johnson's Improved Selvages.



Quotations submitted on receipt of Enquiries giving Particulars of Widths, etc.

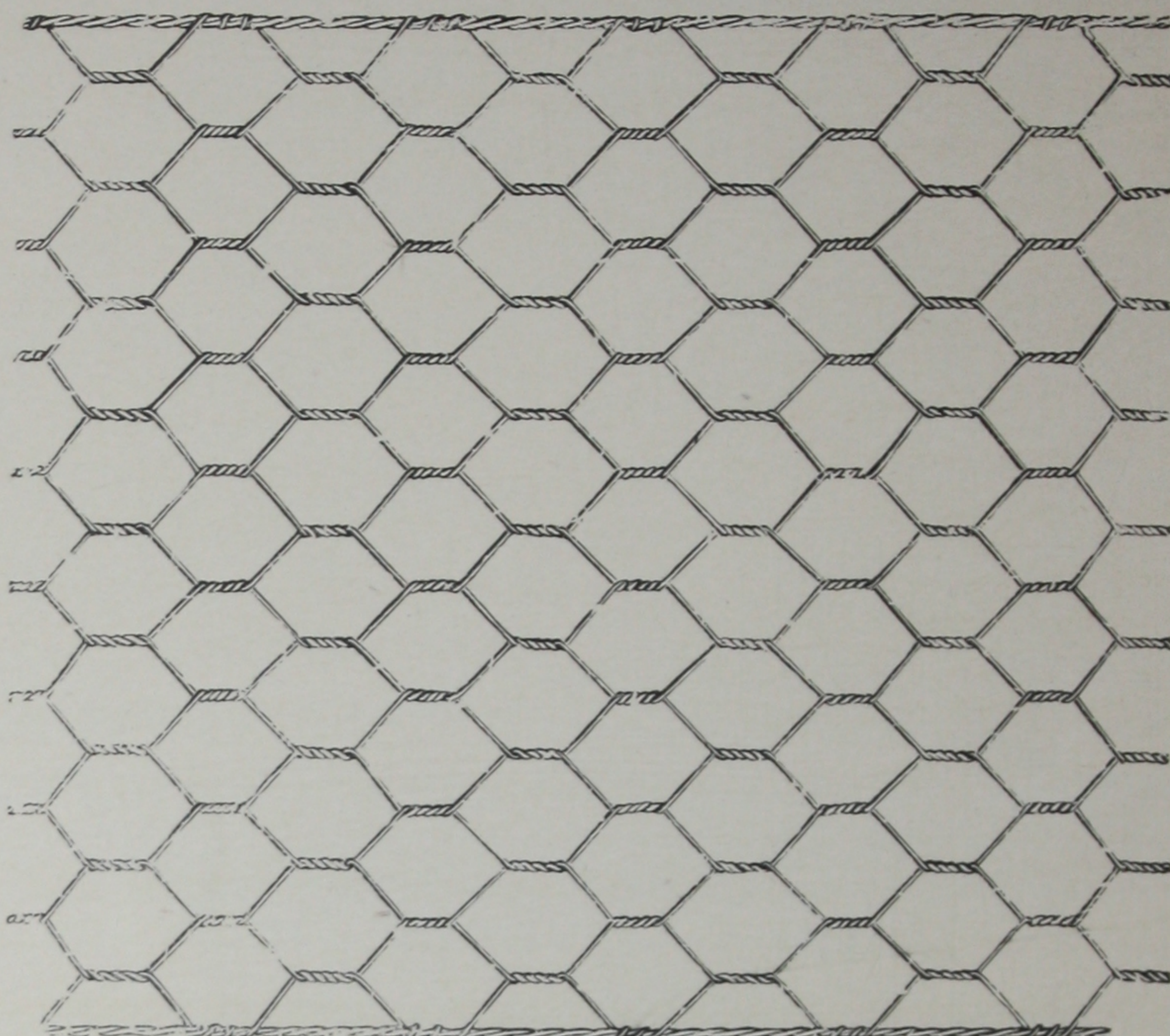


“DEAD FLAT”

Registered Trade Mark

# Galvanized Wire Netting

MADE BY PATENT MACHINERY.



**W**IRE NETTING was invented about 65 years ago, and for several years was made by twisting the wires by hand upon a wood roller, which had pegs suitably pitched to give the desired mesh. This method, however, was very soon found to be slow, and the inventor quickly realised that mechanical means of production were necessary to meet the great demand which speedily sprung into existence. As the outcome of this, the first Wire Netting Machine was invented about the year 1855, and was driven by hand power, and later by steam.

During the last fifty years we have made many improvements on the original Netting Machine, but only recently have we been successful in perfecting an invention in connection with our machines which finally overcomes what has been our bugbear for years, viz., **curvy** and **bulgy** netting, the production of which was from time to time unavoidable with our old style of machines.

The netting which we now manufacture by our new process is absolutely **DEAD FLAT** and the selvage is perfectly straight. The advantages of such netting must be obvious to all who use wire netting for fencing purposes, etc., etc. All troubles and difficulties, such as the cutting of selvage wires, pulling, and stretching, which are experienced when fixing the old style of netting, are entirely removed, and the work of fixing, which formerly was a task, becomes a pastime. Our new **DEAD FLAT NETTING**, when unrolled, lies out like a carpet, and can be erected by the veriest amateur.

Write for combined Illustrated Catalogue and Price List containing 47 full-size Photographic Reproductions showing all Meshes and Gauges in which this famous brand of Netting is made.